



2022 G20 Bali Summit Final Compliance Report

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Feedback, as always, is welcome and is kept anonymous.
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8. Food and Agriculture: Food Security

“We will take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.”

G20 Bali Leaders’ Declaration

Assessment

	No Compliance	Partial Compliance	Full Compliance
Argentina			+1
Australia			+1
Brazil			+1
Canada			+1
China		0	
France			+1
Germany			+1
India			+1
Indonesia		0	
Italy			+1
Japan			+1
Korea			+1
Mexico			+1
Russia		0	
Saudi Arabia			+1
South Africa		0	
Türkiye		0	
United Kingdom			+1
United States	-1		
European Union			+1
Average		+0.65 (83%)	

Background

On 16 November 2022, at the Bali Summit, G20 leaders acknowledged concern regarding global food security and committed to addressing the global food crisis, and protecting vulnerable individuals from hunger.¹³⁸⁴ The Food and Agriculture Organization of the United Nations estimates that around 2.3 billion people were moderately or severely impacted by food insecurity in 2021, rendering global food insecurity a serious issue that requires immediate attention.¹³⁸⁵ Because of the prevalence of food insecurity worldwide and its contribution to increased inequalities and health complications such as malnutrition and noncommunicable diseases, the G20 has addressed this issue globally since 2008.¹³⁸⁶ In 2022, G20 leaders pledged to take “further coordinated efforts to address food security challenges including price surges and shortage of food commodities and fertilizers globally.”¹³⁸⁷ This commitment builds on the G20’s 2021 Matera Declaration on food security, nutrition and food systems, which presented a call-to-action to work towards the United Nations 2030 Sustainable Development Goal of “Zero Hunger.”¹³⁸⁸

¹³⁸⁴ G20 Bali Leaders’ Declaration, G20 Information Centre (Toronto) 16 November 2022. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/2022/221116-declaration.html>

¹³⁸⁵ The State of Food Security and Nutrition in the World 2022, Food and Agriculture Organization of the United Nations (Rome) 2021. Access Date: 31 January 2023. <https://www.fao.org/3/cc0639en/cc0639en.pdf>

¹³⁸⁶ G20 Food Security and Nutrition Framework, G20 Information Centre (Toronto) 2014. Access Date: 31 January 2023. http://www.g20.utoronto.ca/2014/g20_food_security_nutrition_framework.pdf

¹³⁸⁷ G20 Bali Leaders’ Declaration, G20 Information Centre (Toronto) 16 November 2022. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/2022/221116-declaration.html>

¹³⁸⁸ Matera Declaration on Food Security, Nutrition, and Food Systems, G20 Information Centre (Toronto) 29 June 2021. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/2021/Matera-Declaration.pdf>

At the 2008 Washington Summit, G20 leaders first recognized the need to address food security as part of their Declaration on the Summit on Financial Markets and the World Economy.¹³⁸⁹

At the 2009 Pittsburgh Summit, G20 leaders committed to increasing steps to tackle food insecurity, and called on the World Bank to “develop a new trust fund” in support of a new Food Security Initiative.¹³⁹⁰ They also called on a number of international organizations including the World Bank, United Nations, Food and Agriculture Organization, and World Food Programme to unite and support multilateral efforts to address food insecurity.

At the 2010 Seoul Summit, G20 leaders’ Framework for Strong, Sustainable and Balanced Growth identified food security as a key issue to advance sustainable growth in developing and low-income nations, pledging to work towards resolving food insecurity.¹³⁹¹ In addition, the summit introduced the G20’s Multi-Year Action Plan on Development which addressed the need for increased investment and financial support to address food insecurity, emphasizing two specific action goals; the first, to “enhance policy coherence and coordination” and the second, to “mitigate risk in price volatility and enhance protection for the most vulnerable.”¹³⁹²

At the 2011 Cannes Summit, G20 leaders committed to “addressing food price volatility and increasing agriculture production and productivity” in their Final Declaration.¹³⁹³ They agreed to act on five of the goals set forth in the June 2011 Action Plan on Food Price Volatility and Agriculture, including improving agricultural production, mitigating price volatility and improving market transparency, in part by launching the “Agricultural Market Information System.” Additionally, G20 leaders recognized and supported regional initiatives to address food insecurity in the Horn of Africa.

At the 2012 Los Cabos Summit, G20 leaders reaffirmed their commitment to addressing goals set forth in the Action Plan and at previous G20 summits.¹³⁹⁴ They also pledged to continue spearheading initiatives such as the Tropical Agriculture Platform, research initiatives for wheat, rice and corn, the Rapid Response Forum and the Global Agriculture and Food Security Program to support this commitment goal.

At the 2013 St. Petersburg Summit, G20 leaders endorsed the Saint Petersburg Development Outlook which shared new and on-going actions to concretely address food security and nutrition.¹³⁹⁵ G20 leaders also asked the Development Working Group to “focus on concrete actions under the core priorities of food security.”¹³⁹⁶

At the 2014 Brisbane Summit, G20 leaders introduced the G20 Food Security and Nutrition Framework which aims to foster investment, improve quality employment and incomes in food systems, and sustainably increase global food supply.¹³⁹⁷

¹³⁸⁹ Declaration of the Summit on Financial Markets and the World Economy, G20 Information Centre (Toronto) 15 November 2008. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/2008/2008declaration1115.html>

¹³⁹⁰ G20 Leaders Statement: The Pittsburgh Summit, G20 Information Centre (Toronto) 25 September 2009. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/2009/2009communique0925.html>

¹³⁹¹ The Seoul Summit Document, G20 Information Centre (Toronto) 12 November 2010. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/2010/g20seoul-doc.pdf>

¹³⁹² Multi-Year Action Plan on Development, G20 Information Centre (Toronto) 12 November 2010. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/2010/g20seoul-development.pdf>

¹³⁹³ Cannes Summit Final Declaration - Building Our Common Future: Renewed Collective Action for the Benefit of All, G20 Information Centre (Toronto) 4 November 2011. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/2011/2011-cannes-declaration-111104-en.html>

¹³⁹⁴ G20 Leaders Declaration, G20 Information Centre (Toronto) 19 June 2012. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/2012/2012-0619-loscabos.pdf>

¹³⁹⁵ G20 Leaders’ Declaration, G20 Information Centre (Toronto) 6 September 2013. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/2013/2013-0906-declaration.html>; Saint Petersburg Development Outlook, G20 Information Centre (Toronto) 5 September 2013. Access Date: 31 January 2023. http://www.g20.utoronto.ca/2013/Saint_Petersburg_Development_Outlook.pdf

¹³⁹⁶ G20 Leaders’ Declaration, G20 Information Centre (Toronto) 6 September 2013. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/2013/2013-0906-declaration.html>

¹³⁹⁷ G20 Leaders’ Communiqué, G20 Information Centre (Toronto) 16 November 2014. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/2014/2014-1116-communique.html>

At the 2015 Antalya Summit, G20 leaders endorsed the G20 Action Plan on Food Security and Sustainable Food Systems, reaffirming their commitment to investing in food systems and agriculture, improving global food security, and reducing food loss.¹³⁹⁸

At the 2016 Hangzhou Summit, G20 leaders reaffirmed their commitment to addressing “food security, nutrition, sustainable agriculture growth and rural development,” in part, to advance the 2030 Agenda for Sustainable Development.¹³⁹⁹

At the 2017 Hamburg Summit, G20 leaders committed to “improving sustainable livelihoods,” in part by addressing food security and water sustainability.¹⁴⁰⁰ G20 leaders also called for a strengthening of the Agricultural Market Information System to “enhance transparency in global food markets.” Additionally, G20 leaders endorsed the implementation of the Principles for Responsible Investment in Agriculture and Food Systems and the Voluntary Guidelines on the Responsible Governance of Tenure of Land, Fisheries and Forests in the Context of National Food Security to advance responsible agricultural investment and support rural economies.¹⁴⁰¹

At the 2018 Buenos Aires Summit, G20 leaders recognized “a sustainable food future” as one of the pillars of their summit, reaffirming their commitment to addressing food security and ending hunger and malnutrition.¹⁴⁰² In their Declaration for Building Consensus for Fair and Sustainable Development, G20 leaders also pledged to work with stakeholders to improve productivity, upgrade “Agro-Food Global Value Chains” and reduce food loss and waste.

At the 2019 Osaka Summit, G20 leaders highlighted the need to use technology including Information Communication Technology and Artificial Intelligence to support agricultural efficiency and reduce food loss and waste.¹⁴⁰³ They also recognized the continued need for information sharing and research and development in the agro-food sector.

At the 2020 Riyadh Summit, G20 leaders endorsed the G20 Riyadh Statement to Enhance Implementation of Responsible Investment in Agriculture and Food Systems, reaffirming their commitment to address food security and nutrition.¹⁴⁰⁴

At the 2021 Rome Summit, G20 leaders endorsed the Matera Declaration and encouraged partners and stakeholders to support their Food Coalition to address “the impact of COVID-19 on food security and nutrition.”¹⁴⁰⁵ G20 leaders also acknowledged the outcomes of the Food Systems Summit, emphasizing the importance of “reinforced coordination in food system policy-making.”

Commitment Features

At the 2022 Bali Summit, leaders committed to “take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.”¹⁴⁰⁶

¹³⁹⁸ G20 Leaders’ Communiqué, G20 Information Centre (Toronto) 16 November 2015. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/2015/151116-communique.html>

¹³⁹⁹ G20 Leaders’ Communiqué: Hangzhou Summit, G20 Information Centre (Toronto) 5 September 2016. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/2016/160905-communique.html>

¹⁴⁰⁰ G20 Leaders’ Declaration: Shaping an Interconnected World, G20 Information Centre (Toronto) 8 July 2017. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/2017/2017-G20-leaders-declaration.html>

¹⁴⁰¹ The 2017 G20 Hamburg Summit Commitments, G20 Information Centre (Toronto) 4 October 2017. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/analysis/commitments-17-hamburg.html>

¹⁴⁰² G20 Leaders’ Declaration: Building Consensus for Fair and Sustainable Development, G20 Information Centre (Toronto) 1 December 2018. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/2018/2018-leaders-declaration.html>

¹⁴⁰³ G20 Osaka Leaders’ Declaration, G20 Information Centre (Toronto) 29 June 2019. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/2019/2019-g20-osaka-leaders-declaration.html>

¹⁴⁰⁴ Leaders’ Declaration, G20 Information Centre (Toronto) 21 November 2020. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/2020/2020-g20-leaders-declaration-1121.html>

¹⁴⁰⁵ G20 Rome Leaders’ Declaration, G20 Information Centre (Toronto) 31 October 2021. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/2021/211031-declaration.html>

¹⁴⁰⁶ G20 Bali Leaders’ Declaration, G20 Information Centre (Toronto) 16 November 2022. Access Date: 31 January 2023. <http://www.g20.utoronto.ca/2022/221116-declaration.html>

According to the FAO, “food security” “exists when all people, at all times, have physical and economic access to sufficient, safe and nutritious food that meets their dietary needs and food preferences for an active and healthy life.”¹⁴⁰⁷

According to Merriam Webster, a “surge” is defined as “rising or falling actively”¹⁴⁰⁸

According to Merriam Webster, a “shortage” refers to a “lack” or “deficit”¹⁴⁰⁹

According to Oxford Dictionaries, “food commodities” refer to food related “product or a raw material that can be bought and sold.”¹⁴¹⁰

According to Merriam Webster, “fertilizers” are defined as “a substance (such as manure or a chemical mixture) used to make soil more fertile”¹⁴¹¹

In the context of this commitment, “further coordinated actions” therefore refers to taking concrete steps in collaboration between G20 members in the near future to increase compliance with their previous commitments. Relevant actions would build upon previous actions and would emphasize the vital role of collaboration between G20 members.

Accordingly, to fulfill every aspect of this commitment, G20 members have to 1) participate in coordinated efforts to address food security challenges, 2) address price surges, and 3) address shortages of food commodities and fertilizers. An action that addresses both dimensions would have more breadth than another action that only addresses a few of the aforementioned elements.

Furthermore, this commitment also has a depth component for evaluating the strength of actions taken by G20 members. An action that simply introduces a price freeze to specific food commodities would be considered of a lesser depth than an action that aims to reevaluate and bring about reform to the agriculture business, resulting in steadier pricing.

Full compliance, or a score of +1, will be assigned to G20 members that have taken steps during the compliance period to take further coordinated action to address food security challenges including price surges AND shortage of food commodities and fertilizers globally.

Partial compliance, or a score of 0, will be assigned to G20 members that have taken steps during the compliance period to take further coordinated action to address food security challenges including price surges OR shortage of food commodities and fertilizers globally.

Non-compliance, or a score of -1, will be assigned if the G20 member has not taken steps during the compliance period to further coordinated action to address food security challenges including price surges and shortage of food commodities and fertilizers globally. Similarly, this score will be assigned if a G20 member has taken action considered not coordinated with other G20 members during the compliance period.

¹⁴⁰⁷ The State of Food Security and Nutrition in the World 2022 (Rome) 15 May 2022. Access Date: 30 January 2023. https://www.fao.org/fileadmin/templates/faoitally/documents/pdf/pdf_Food_Security_Cocept_Note.pdf

¹⁴⁰⁸ Surge Access Date: 30 January 2023. <https://www.merriam-webster.com/dictionary/surge>

¹⁴⁰⁹ Shortage Access Date: 30 January 2023, <https://www.merriam-webster.com/dictionary/shortage>

¹⁴¹⁰Commodity Access Date: 30 January 2023 <https://www.oxfordlearnersdictionaries.com/definition/english/commodity>

¹⁴¹¹ Fertilizer Access Date: 30 January 2023 <https://www.merriam-webster.com/dictionary/fertilizer>

Scoring Guidelines

-1	The G20 member has NOT taken further coordinated action to address food security challenges including price surges and shortage of food commodities and fertilizers globally OR the G20 member has taken action considered not coordinated with other G20 members.
0	The G20 member has taken further coordinated action to address food security challenges including price surges OR shortage of food commodities and fertilizers globally.
+1	The G20 member has taken further coordinated action to address food security challenges including price surges AND shortage of food commodities and fertilizers globally.

Compliance Director: Tisya Raina

Lead Analyst: Mabek Kaur

Argentina: +1

Argentina has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.

On 15 December 2022, Argentina implemented a new system to simplify the refund process for small and medium food enterprises.¹⁴¹² This action reverted funds back to Argentine food companies, promoting the financial stability of domestic food producers.

On 13 January 2023, Argentina announced the Impulse Tambero Assistance Program.¹⁴¹³ This program compensates dairy farmers for milk, at a per-liter price, for the duration of 4 months. This helps reinvigorate Argentina's dairy industry among low and medium level producers.

On 24 February 2023, the Ministry of Agriculture facilitated a presentation to promote sustainable food production and consumption.¹⁴¹⁴ There was emphasis on enhancing the capacities of local government with strategic alliances with local food companies.

On 2 March 2023, Argentina launched investment credits for agro-industrial sectors affected by national droughts.¹⁴¹⁵ The financing is aimed to promote and develop the agro-industrial sector despite environmental obstacles.

On 8 March 2023, Argentina launched AgTech.Ar in collaboration with Germany.¹⁴¹⁶ This system enhances Argentine agrobusiness by providing a network of ecosystem data and connectivity between innovators and entrepreneurs in the industry.

On 9 March 2023, Argentina launched its productive strengthening program for the pork sector by investing money and soybeans to local pork producers.¹⁴¹⁷ The hope is to increase production and stability in local economies.

¹⁴¹² Agricultura simplifica procedimientos para la solicitud de reintegros a pymes de alimentos, Ministerio de Economía (Buenos Aires) 15 December 2022. Translation provided by Google Translate. Access Date: 16 March 2023.

¹⁴¹³ Legislación y Avisos Oficiales, Ministerio de Economía (Buenos Aires) 13 January 2023. Translation provided by Google Translate. Access Date: 16 March 2023. <https://www.boletinoficial.gob.ar/detalleAviso/primera/279840/20230117>

¹⁴¹⁴ Agricultura brindó una charla abierta sobre prevención en desperdicio de alimentos, Ministerio de Economía (Buenos Aires) 24 February 2023. Translation provided by Google Translate. Access Date: 16 March 2023.

¹⁴¹⁵ El Gobierno lanza créditos de inversión para sectores agroindustriales impactados por la sequía, Secretaría de Agricultura, Ganadería y Pesca (Buenos Aires) 2 March 2023. Translation provided by Google Translate. Access Date: 16 March 2023. https://www.magyp.gob.ar/sitio/areas/prensa/index.php?accion=noticia&id_info=230301200944

¹⁴¹⁶ Se lanzó AgTech.Ar, un espacio digital integrado fruto de la cooperación entre Argentina y Alemania, Secretaría de Agricultura, Ganadería y Pesca (Buenos Aires) 8 March 2023. Translation provided by Google Translate. Access Date: 16 March 2023. https://www.magyp.gob.ar/sitio/areas/prensa/index.php?accion=noticia&id_info=230308190056

¹⁴¹⁷ Programa de Fortalecimiento Productivo Argentino para el Sector Porcino, Secretaría de Agricultura, Ganadería y Pesca (Buenos Aires) n.d. Translation provided by Google Translate. Access Date: 16 March 2023. <https://magyp.gob.ar/porcino/>

On 20 March 2023, Argentina announced the Corral Program to manage local food prices and access.¹⁴¹⁸ The program offers farmers financial incentives for sending bovine to slaughter in domestic markets.

On 5 April 2023, Argentina launched a program to increase the exports of agricultural products.¹⁴¹⁹ This program includes measures to standardize prices and increase sales to domestic markets.

On 11 April 2023, Argentina announced a 35 per cent increase in food subsidies for low-income families.¹⁴²⁰ This measure attempts to mitigate the effects of inflation on food access and will provide funds to approximately 2.4 million families.

On 1 May 2023, Argentina reached an agreement with Mexico to promote the commercial exchange of healthy and safe food, with emphasis on basic basket products.¹⁴²¹

On 21 June 2023, the National Directorate for the Promotion and Strengthening of Access to Justice presented a new guide for Argentina's public officials to address non-compliance in food payment obligations.¹⁴²² This protocol provides legal support, such as community mediation and legal representation, so that parents receive alimony payments intended for feeding children.

On 22 June 2023, Argentina launched the 5th edition of the Food with Value program.¹⁴²³ This program provides training and technical assistance to food and beverage manufacturers to help them increase capacity, integrate into the value chain, and comply with food safety regulations.

Argentina has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally. Argentina took sufficient action to invest in local and domestic food industries, addressing rising prices and shortages.

Thus, Argentina receives a score of +1.

Analyst: Emerson Hachinski

Australia: +1

Australia has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.

On 18 November 2022, Minister for Agriculture, Fisheries and Forestry Murray Watt announced additional support for flood-affected primary producers in the Australian state of New South Wales.¹⁴²⁴ This funding

¹⁴¹⁸ Resolución 321/2023, Ministerio de Economía (Buenos Aires) 20 March 2023. Translation provided by Google Translate. Access Date: 11 June 2023. https://www-boletinoficial-gob-ar.translate.goog/detalleAviso/primera/283035/20230321?_x_tr_sl=es&_x_tr_tl=en&_x_tr_hl=en&_x_tr_pto=sc

¹⁴¹⁹ Programa de Incremento Exportador Para Economía Regionales, Ministerio de Economía (Buenos Aires) 9 April 2023. Translation provided by Google Translate. Access Date: 28 April 2023.

<https://www.boletinoficial.gob.ar/detalleAviso/primera/284120/20230410>

¹⁴²⁰ Argentina Aumenta la Ayuda Social Para Comprar de Alimentos, Associated Press (Buenos Aires) 11 April 2023.

Translation provided by Google Translate. Access Date: 28 April 2023.

<https://apnews.com/article/ccc729443e7fdec49a3f14b00369f07c>

¹⁴²¹ Impulsan México y Argentina Intercambio Comercial de Alimentos Sanos y Seguros, Gobierno de México (Mexico City) 1 May 2023. Translation provided by Google Translate. Access Date: 11 June 2023.

<https://www.gob.mx/agricultura/prensa/impulsan-mexico-y-argentina-intercambio-comercial-de-alimentos-sanos-y-seguros?idiom=es>

¹⁴²² Presentación de la Guía "El Acceso a la Cuota Alimentaria. El Estado Presente", Ministerio de Justicia y Derechos Humanos (Buenos Aires) 23 June 2023. Translation provided by Google Translate. Access Date: 13 August 2023.

https://www-argentina-gob-ar.translate.goog/noticias/presentacion-de-la-guia-el-acceso-la-cuota-alimentaria-el-estado-presente?_x_tr_sl=es&_x_tr_tl=en&_x_tr_hl=en&_x_tr_pto=sc

¹⁴²³ El Gobierno Nacional Puso en Marcha la Quinta Edición del Programa Alimentos con Valor, Gobierno de Argentina (Buenos Aires) 22 June 2023. Translation provided by Google Translate. Access Date: 13 August 2023. https://www-argentina-gob-ar.translate.goog/noticias/el-gobierno-nacional-puso-en-marcha-la-quinta-edicion-del-programa-alimentos-con-valor-0?_x_tr_sl=es&_x_tr_tl=en&_x_tr_hl=en&_x_tr_pto=sc

¹⁴²⁴ Joint media release: More assistance for flood-impacted primary producers, Minister for Agriculture, Fisheries and Forestry (Canberra) 18 November 2022. Access Date: 28 August 2023. <https://minister.agriculture.gov.au/watt/media-releases/recovery-grants-commonwealth-state-disaster-recovery-funding-arrangements>

was intended to assist primary producers to recover from the floods, helping to restore the state's food production for domestic use and export.

On 30 November 2022, Australia commenced public hearings as part of an ongoing inquiry into food security in Australia. The inquiry will report on how to strengthen and safeguard the country's food security. It is looking into national production, consumption and export of food; access to key inputs, including fertilisers, and their costs; the effect of supply chains on the costs and availability of food; and the opportunities and threats climate change poses to food production.¹⁴²⁵

On 6 December 2022, the governments of Australia and the United States of America released a joint statement on Australia-United States Ministerial Consultations. The statement calls on Russia to continue participating in the Black Sea Grain Initiative, which reduces the prices of essential grains, cereals, and oil.¹⁴²⁶

On 29 December 2022, Minister for Trade and Tourism Don Farrell announced the entry into force of the Australia-India Economic Cooperation and Trade Agreement. Tariff eliminations and reductions on food and agricultural goods under the agreement will reduce the cost of goods traded between Australia and India, facilitating their movement to where they are most needed and helping alleviate pressures on food supplies across the two countries.¹⁴²⁷

On 8 February 2023, the Australian Centre for International Agricultural Research announced its support for 11 Pacific Islanders to develop their academic capability through postgraduate studies to improve climate and food systems capacity in Pacific Island institutions.¹⁴²⁸

On 11 February 2023, Minister for Foreign Affairs Penny Wong announced that Australia would provide AUD25 million in emergency assistance to respond to growing global food insecurity and humanitarian crises. This includes AUD15 million for the Horn of Africa, AUD5 million for Yemen and AUD5 million for Pakistan.¹⁴²⁹

On 17 March 2023, the Department of Foreign Affairs and Trade has stated an ongoing commitment to fighting food insecurity by providing a high degree of aid to other nations in the region, supporting social policy providing aid to those affected by food insecurity, and lobbying for transparency in agricultural sales and trade, as well as avoiding restrictions on food and fertilizer.¹⁴³⁰

On 31 March 2023, Minister Watt announced AUD12 million for those impacted by floods in the Australian state of Queensland, including flood-impacted primary producers. It will assist primary producers to recover from the floods, helping to restore the state's food production for domestic use and export.¹⁴³¹

¹⁴²⁵ Public Hearings, Parliament of Australia (Canberra), 30 November 2022. Access Date: 23 August 2023.

https://www.aph.gov.au/Parliamentary_Business/Committees/House/Agriculture/FoodsecurityinAustralia/Public_Hearings

¹⁴²⁶ Joint Statement on Australia-U.S. Ministerial Consultations (AUSMIN) 2022 (Washington), U.S. Department of Defense (Washington) 6 December 2022. Access Date: 21 June 2023.

<https://www.defense.gov/News/Releases/Release/Article/3238028/joint-statement-on-australia-us-ministerial-consultations-ausmin-2022/>

¹⁴²⁷ Trade deal with India delivers from 29 December, Minister for Trade and Tourism (Canberra) 29 December 2022. Access Date: 21 June 2023. <https://www.trademinister.gov.au/minister/don-farrell/media-release/trade-deal-india-delivers-29-december>

¹⁴²⁸ Improving climate and food systems capacity in Pacific Island Institutions, Australian Centre for International Agricultural Research (Canberra) 8 February 2023. Access Date: 28 August 2023. <https://www.aciar.gov.au/media-search/news/improving-climate-and-food-systems-capacity-pacific-island-institutions>

¹⁴²⁹ Humanitarian Assistance to fight Global Hunger, Minister for Foreign Affairs (Canberra) 11 February 2023. Access Date: 21 June 2023. <https://www.foreignminister.gov.au/minister/penny-wong/media-release/humanitarian-assistance-fight-global-hunger>

¹⁴³⁰ Agricultural development and food security, Department of Foreign Affairs and Trade (Canberra). Access Date: 17 March 2023. <https://www.dfat.gov.au/development/topics/development-issues/agricultural-development-and-food-security>

¹⁴³¹ Joint media release: \$12 million flood assistance for Queensland primary producers and small business, Minister for Agriculture, Fisheries and Forestry (Canberra) 31 March 2023. Access Date: 21 June 2023.

<https://minister.agriculture.gov.au/Watt/media-releases/12-million-flood-assistance-for-queensland-primary-producers-and-small-business>

On 14 April 2023, Minister for International Development and the Pacific Pat Conroy announced that the Australian Government would provide an additional AUD8 million to support the Vanuatu Government with its ongoing response to Tropical Cyclones Judy and Kevin. The funds are aimed at providing immediate assistance to vulnerable households through support for livelihoods and food security.¹⁴³²

On 27 April 2023, Minister Watt announced AUD770,000 for an international training program to boost biosecurity capabilities in Indonesia and Timor-Leste. The program will enable Indonesia and Timor-Leste to better protect their food supplies from biosecurity threats.¹⁴³³

On 17 May 2023, the Australian government announced in its 2023-24 budget the allocation of \$302 million over five years for climate-smart and sustainable agriculture investments. These investments will help to safeguard Australian primary producers from the effects of climate change, bolstering their resilience to continue providing food for domestic consumption and export.¹⁴³⁴

On 29 May 2023, Minister for Foreign Affairs, Senator the Hon Penny Wong announced that Australia would provide an additional \$29 million to humanitarian partners to respond to the growing food security crisis and to assist vulnerable people in the Middle East and Africa. This included \$4 million to provide food and nutrition support to the most vulnerable in Yemen, and \$10 million for food and monetary assistance to refugees and vulnerable populations in Lebanon and Jordan.¹⁴³⁵

On 31 May 2023, Minister for Agriculture, Fisheries and Forestry, Senator the Hon Murray Watt announced the coming into force of the Australia-United Kingdom Free Trade Agreement (A-UKFTA). This agreement reduces tariffs on agri-food products traded between the two countries, reducing prices on these traded goods. It demonstrates Australia's continued commitment to free and open trade as a crucial driver for improving global food security.¹⁴³⁶

On 1 July 2023, Minister for Agriculture, Fisheries and Forestry, Senator the Hon Murray Watt announced that the Australian government would be providing an additional \$250,000 in funding to the Agriculture Market Information System (AMIS). This funding will contribute to AMIS's important role in enhancing transparency and policy coordination in international food markets to strengthen global food security.¹⁴³⁷ On 3 July 2023, Minister for Agriculture, Fisheries and Forestry, Senator the Hon Murray Watt announced that he was leading an industry delegation to India to further build the agriculture and food trade between Australia and India, which will help alleviate pressures on food security in India.¹⁴³⁸

On 13 July 2023, Minister for Agriculture, Fisheries and Forestry, Senator the Hon Murray Watt announced the launch of Australia's first National Agricultural Traceability Strategy. The strategy will help protect Australian agriculture by enabling the country to better respond to any biosecurity outbreaks that threaten

¹⁴³² Additional assistance for cyclone response and early recovery in Vanuatu, Minister for International Development and the Pacific (Canberra) 14 April 2023. Access Date: 21 June 2023. <https://ministers.dfat.gov.au/minister/pat-conroy/media-release/additional-assistance-cyclone-response-and-early-recovery-vanuatu>

¹⁴³³ Boost to biosecurity in Indonesia, Timor-Leste, Minister for Agriculture, Fisheries and Forestry (Canberra) 27 April 2023. Access Date: 28 August 2023. <https://minister.agriculture.gov.au/watt/media-releases/boost-biosecurity-indonesia-timor-leste>

¹⁴³⁴ New partnerships to build more sustainable agriculture, Minister for Agriculture, Fisheries and Forestry (Canberra) 17 May 2023. Access Date: 28 August 2023. [https://minister.agriculture.gov.au/Watt/media-releases/new-partnerships-build-more-sustainable-agriculture#:~:text=To%20assist%20in%20reaching%20this,Natural%20Heritage%20Trust%20\(NHT\)](https://minister.agriculture.gov.au/Watt/media-releases/new-partnerships-build-more-sustainable-agriculture#:~:text=To%20assist%20in%20reaching%20this,Natural%20Heritage%20Trust%20(NHT))

¹⁴³⁵ Humanitarian assistance to Middle East and Africa (Canberra) 29 May 2023. Access Date: 24 August 2023. <https://www.foreignminister.gov.au/minister/penny-wong/media-release/humanitarian-assistance-middle-east-and-africa>

¹⁴³⁶ UK trade deal a huge win for Australian farmers (Canberra) 31 May 2023. Access Date: 24 August 2023. <https://minister.agriculture.gov.au/watt/media-releases/a-ukfta>

¹⁴³⁷ Australian funding boost to improve ag market intelligence (Canberra) 1 July 2023. Access Date: 24 August 2023. <https://minister.agriculture.gov.au/Watt/media-releases/australian-funding-boost-to-improve-ag-market-intelligence>

¹⁴³⁸ Minister to lead ag industry delegation to India (Canberra) 3 July 2023. Access Date: 24 August 2023. <https://minister.agriculture.gov.au/Watt/media-releases/australia-to-lead-ag-industry-delegation-to-india>

food production, thereby benefitting both domestic food security and countries that depend on Australia's exports.¹⁴³⁹

Australia has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally. Australia has taken actions to combat food insecurity and surging food prices as well as to address the shortage of food sources and fertilizers. It has taken strong actions both domestically and internationally. Although pre-existing efforts to curb food insecurity are still active and being supported by the Australian government, there have been no new propositions or enactments of timely policy to address recent surges in food prices.

Thus, Australia receives a compliance score of +1.

Analyst: Gayathri Siva

Brazil: +1

Brazil has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.

On 18 January 2023, Minister of Agriculture, Livestock and Supply Carlos Fávaro announced the resumption of product exports such as beef to some countries including Indonesia and China.¹⁴⁴⁰ This aims to help alleviate pressures on food supplies worldwide and increase Brazil's domestic food production.

On 14 February 2023, the Ministry of Agriculture and Livestock announced Mexico's opening of market for Brazilian pork.¹⁴⁴¹ The newly agreed sanitary requirements will expand the availability of raw pork meat for export into Mexico. The deal will address Mexico's need to increase food supply to its population.

On 23 February 2023, Minister of Agrarian Development and Family Agriculture Paulo Teixeira announced the allocation of BRL300 million to help farmers and family farmers affected by the Rio Grande do Sul drought.¹⁴⁴² This support package includes direct installments and credits to help combat food security and production issues caused by the drought.

On 24 February 2023, Minister Fávaro met with Vice President and Minister of Development, Industry, Commerce and Services Geraldo Alckmin to structure the National Fertilizer Plan.¹⁴⁴³ They announced plans to reduce price of natural gas to strengthen the Brazil's fertilizer industry.

On 28 February 2023, President Luiz Inácio Lula da Silva signed a decree reinstalling the National Council for Food and Nutritional Security (Consea).¹⁴⁴⁴ The council which was revoked in 2019 is being brought

¹⁴³⁹ Australia's first National Agricultural Traceability Strategy to protect and grow ag industry (Canberra) 13 July 2023. Access Date: 24 August 2023. <https://minister.agriculture.gov.au/watt/media-releases/australias-first-national-agricultural-traceability-strategy-protect-grow-ag-industry>

¹⁴⁴⁰ Fávaro: a credibilidade do Brasil no mercado internacional voltou, Governo de Brasil (Brasília) 18 January 2023. Translation provided by Google Translate. Access Date: 17 March 2023. <https://www.gov.br/planalto/pt-br/acompanhe-o-planalto/noticias/2023/01/favaro-a-credibilidade-do-brasil-no-mercado-internacional-voltou>

¹⁴⁴¹ México amplia abertura para a carne suína brasileira, gov.br (Brasília) 14 February 2023. Translation provided by Google Translate. Access Date: 29 April 2023. <https://www.gov.br/agricultura/pt-br/assuntos/noticias/mexico-amplia-abertura-para-a-carne-suina-brasileira>

¹⁴⁴² MDA destina R\$300 milhões para socorrer agricultoras e agricultores familiares atingidos pela estiagem no RS, Governo de Brasil (Brasília) 23 February 2023. Translation provided by Google Translate. Access Date: 11 June 2023. <https://www.gov.br/mda/pt-br/assuntos/noticias/2023/02/mda-destina-r-300-milhoes-para-socorrer-agricultoras-e-agricultores-familiares-atingidos>

¹⁴⁴³ Fávaro e Alckmin traçam estratégias para o Plano Nacional de Fertilizantes, gov.br (Brasília) 24 February 2023. Translation provided by Google Translate. Access Date: 29 April 2023. <https://www.gov.br/agricultura/pt-br/assuntos/noticias/favaro-e-alckmin-tracam-estrategias-para-o-plano-nacional-de-fertilizantes>

¹⁴⁴⁴ Presidente Lula retoma Consea e prioriza agenda de combate à fome, Governo de Brasil (Brasília) 28 February 2023. Translation provided by Google Translate. Access Date: 17 March 2023. <https://www.gov.br/planalto/pt-br/acompanhe-o-planalto/noticias/2023/02/presidente-lula-retoma-consea-e-prioriza-agenda-de-combate-a-fome>

back to propose policies and monitor the national plan for food and nutritional security. The reinstatement of Consea aims to help fight food security issues domestically.

On 10 March 2023, the Government announced a stimulus for the National School Feeding Program. With the correction, the budget for the purchase of meals will increase from BRL4 billion to BRL5.5 billion.¹⁴⁴⁵ This move will increase student accessibility for meals and support food security domestically. It will also stimulate production of local producers through its acquisition program.

On 14 April 2023, the Ministry of Agriculture and Livestock signed a protocol with the General Administration of Customs of China on the sanitary and quarantine requirements for Brazilian food export into China, mainly on processed protein.¹⁴⁴⁶ Brazil will be able to market its food product to Chinese consumers expanding its export and helping with the needs of Chinese food supply.

On 23 February 2023, Minister of Agrarian Development and Family Agriculture Paulo Teixeira announced the allocation of BRL300 million to help farmers and family farmers affected by the Rio Grande do Sul drought.¹⁴⁴⁷ This support package includes direct installments and credits to help combat food security and production issues caused by the drought.

On 18 April 2023, the Ministry of Agriculture and Livestock announced that BRL1.06 billion will be made available over the next few months with the objective of financially assisting producers when purchasing rural insurance.¹⁴⁴⁸ This will encourage food production and mitigate the effects of weather in recent years that contribute to food security issues.

On 20 May 2023, President Lula da Silva signed a joint agreement on food security at the G7 summit in Hiroshima.¹⁴⁴⁹ The agreement with other G7 members and participating countries at the summit aims to tackle issues including global food security and price surges in food and fertilizers. Measures agreed upon include humanitarian assistance actions and cooperation in open and transparent international trade.

On 1 June 2023, the Mais Alimentos program was instituted. The program aims to increase domestic food, stimulate national industry, minimize hard labour in the field and support access to machines and supports for family farming.¹⁴⁵⁰ The program also aims to increase mechanization in agricultural production and family farming to further increase food production and security in the country.

¹⁴⁴⁵ Com reajuste, merenda escolar terá mais R\$ 1,5 bilhão em 2023, Governo de Brasil (Brasília) 10 March 2023. Translation provided by Google Translate. Access Date: 17 March 2023. <https://www.gov.br/planalto/pt-br/acompanhe-o-planalto/noticias/2023/03/com-reajuste-merenda-escolar-tera-mais-r-1-5-bilhao-em-2023>

¹⁴⁴⁶ China abre novo mercado para produto brasileiro durante visita oficial do presidente Lula e ministro Fávaro, gov.br (Brasília) 14 April 2023. Translation provided by Google Translate. Access Date: 29 April 2023. <https://www.gov.br/agricultura/pt-br/assuntos/noticias/china-abre-novo-mercado-para-produto-brasileiro-durante-visita-oficial-do-presidente-lula-e-ministro-favaro>

¹⁴⁴⁷ MDA destina R\$300 milhões para socorrer agricultoras e agricultores familiares atingidos pela estiagem no RS, Governo de Brasil (Brasília) 23 February 2023. Translation provided by Google Translate. Access Date: 11 June 2023. <https://www.gov.br/mda/pt-br/assuntos/noticias/2023/02/mda-destina-r-300-milhoes-para-socorrer-agricultoras-e-agricultores-familiares-atingidos>

¹⁴⁴⁸ Mapa anuncia a liberação de R\$ 1 bilhão para o seguro rural, gov.br (Brasília) 18 April 2023. Translation provided by Google Translate. Access Date: 29 April 2023. <https://www.gov.br/agricultura/pt-br/assuntos/noticias/mapa-anuncia-a-liberacao-de-r-1-bilhao-para-o-seguro-rural>

¹⁴⁴⁹ Brasil assina declaração conjunta sobre segurança alimentar na cúpula do G7, Governo de Brasil (Brasília) 20 May 2023. Translation provided by Google Translate. Access Date: 11 June 2023. <https://www.gov.br/planalto/pt-br/acompanhe-o-planalto/noticias/2023/05/brasil-assina-declaracao-conjunta-sobre-seguranca-alimentar-na-cupula-do-g7>

¹⁴⁵⁰ Governo avança na retomada de política de incentivo à produção e acesso a máquinas para agricultura familiar, Governo de Brasil (Brasília) 1 June 2023. Translation provided by Google Translate. Access Date: 13 August 2023. <https://www.gov.br/planalto/pt-br/vice-presidencia/central-de-conteudo/noticias/2023/governo-avanca-na-retomada-de-politica-de-incentivo-a-producao-e-acesso-a-maquinas-para-agricultura-familiar>

On 6 June 2023, President Lula da Silva announced BRL7.6 billion in rural credit and dollar financing to support agricultural producers and the industry.¹⁴⁵¹ The investment program aims to support the growth of the agricultural industry in Brazil to guarantee production and security of the industry.

On 27 June 2023, President Lula da Silva announced the Crop Plan 2023/2024 for agriculture and livestock farming in the country.¹⁴⁵² The plan, supported by BRL364.22 billion in funding, encourages the growth of agricultural production and environmentally sustainable production systems in Brazil.

On 28 June 2023, the President Lula da Silva launched the Crop Plan for Family Agriculture which provides rural credits and optimal financial conditions to family farmers and farmers in poverty.¹⁴⁵³ As part of this plan, BRL71.6 billion will be allocated to providing rural credit for family farmers in Brazil.

Brazil has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally. Brazil had made domestic efforts to address the issues of food security through reinstalling relevant councils and reallocating budgets. Brazil also announced plans to address fertilizer issues and signed agreements with other countries to help with the food supply globally.

Thus, Brazil receives a score of +1.

Analyst: Zeyang Xie

Canada: +1

Canada has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.

On 20 November 2022, Prime Minister Justin Trudeau announced CAD49.5 million in funding for the ACTION project, while at the Francophonie Summit in Tunisia.¹⁴⁵⁴ ACTION is a collaborative food security initiative with Germany aimed at increasing food security in targeted regions of Mali by increasing agricultural productivity and production. This collaborative effort aims to help prevent future food shortages in Mali.

On 20 November 2022, Prime Minister Trudeau announced CAD8 million in funding for humanitarian assistance to Haiti, enabling the World Food Programme to deliver food and nutritional assistance.¹⁴⁵⁵ This action aims to help alleviate food shortages and tackle food insecurity in Haiti.

On 25 November 2022, Minister of International Development and the Minister for Pacific Economic Development Agency of Canada Harjit Sajjan announced CAD30 million in funding to the World Food Programme to “facilitate additional shipments of Ukrainian grain moving through the Black Sea Grain Initiative toward countries grappling with acute food insecurity.”¹⁴⁵⁶ This action aims to ensure the

¹⁴⁵¹ Agro ganha reforço de R\$ 7,6 bilhões em créditos rurais para os próximos dias, Governo de Brasil (Brasília) 6 June 2023. Translation provided by Google Translate. Access Date: 13 August 2023. <https://www.gov.br/pt-br/noticias/agricultura-e-pecuaria/2023/06/agro-ganha-reforco-de-r-7-6-bilhoes-em-creditos-rurais-para-os-proximos-dias>

¹⁴⁵² Presidente anuncia Plano Safra 2023/2024 com financiamento de R\$ 364,22 bilhões, Governo de Brasil (Brasília) 27 June 2023. Translation provided by Google Translate. Access Date: 13 August 2023. <https://www.gov.br/agricultura/pt-br/assuntos/noticias/presidente-anuncia-plano-safra-2023-2024>

¹⁴⁵³ Lula retoma Plano Safra da Agricultura Familiar com juros baixos para produção de alimentos, Governo de Brasil (Brasília) 28 June 2023. Translation provided by Google Translate. Access Date: 13 August 2023. <https://www.gov.br/planalto/pt-br/acompanhe-o-planalto/noticias/2023/06/lula-retoma-plano-safra-da-agricultura-familiar-com-juros-baixos-para-a-producao-de-alimentos>

¹⁴⁵⁴ Prime Minister announces significant support at the Francophonie Summit in Tunisia, Prime Minister of Canada (Djerba) 20 November 2022. Access Date: 6 March 2023. <https://pm.gc.ca/en/news/backgrounders/2022/11/20/prime-minister-announces-significant-supports-francophonie-summit>

¹⁴⁵⁵ Prime Minister announces significant supports at the Francophonie Summit in Tunisia, Prime Minister of Canada (Djerba) 20 November 2022. Access Date: 6 March 2023. <https://pm.gc.ca/en/news/backgrounders/2022/11/20/prime-minister-announces-significant-supports-francophonie-summit>

¹⁴⁵⁶ Canada announces funding for World Food Programme to address global food security crisis, Global Affairs Canada (Ottawa) 25 November 2022. Access Date: 6 March 2023. <https://www.canada.ca/en/global-affairs/news/2022/11/canada-announces-funding-for-world-food-programme-to-address-global-food-security-crisis.html>

continued supply of Ukrainian food commodities to the global market, thereby addressing the global shortage of food commodities.

On 13 February 2023, Canada issued a memorandum with Mexico to pledge standardization of organic produce between the countries.¹⁴⁵⁷ The measure is to protect small and medium sized producers, streamlining fruit and vegetable trade.

On 6 March 2023, Minister of Agriculture and Agri-Food Marie-Claude Bibeau announced that federal programs under the Sustainable Canadian Agricultural Partnership, which will receive CAD3.5 million in funding to support key priorities including the development and adoption of new technologies in the Canadian food and agriculture industry as well as to increase industry exports, are now accepting applications.¹⁴⁵⁸ This will help global food supplies and address shortages.

On 20 May 2023, Canada joined 14 other countries and the European Union in the Hiroshima Action Statement for Resilient Global Food Security which pledges coordinated efforts to tackle the food security crisis.¹⁴⁵⁹ This will support international efforts to address global food security challenges.

On 27 May 2023, Minister of International Development Harjit Sajjan concluded a visit to Chad where he announced CAD39.8 million in humanitarian assistance including food assistance. Minister Sajjan also announced CAD10 million in funding for groundnut and sesame producers in Guéra province to support climate change adaptation and agricultural solutions.¹⁴⁶⁰ This will help address current global food shortages and prevent future shortages.

Canada has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally. Canada has involved itself in independent and coordinated efforts to address food security challenges in Haiti and Mali. Canada has also addressed the shortage of food commodities through substantial action aimed at securing global food supplies. Therefore, Canada has taken further coordinated action to address food security challenges including the shortage of food commodities and fertilizers globally.

Thus, Canada receives a score of +1.

Analyst: Zenon Bute

China: 0

China has partially complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.

On 14 April 2023, Ministry of Agriculture and Livestock signed a protocol with the General Administration of Customs of China on the sanitary and quarantine requirements for Brazilian food export into China,

¹⁴⁵⁷ Agilizan México y Canadá Intercambio de Alimentos Orgánicos, Gobierno de México (Mexico City) 13 February 2023. Translation provided by Google Translate. Access Date: 28 April 2023. <https://www.gob.mx/senasica/articulos/fortalecen-mexico-y-canada-intercambio-de-alimentos-organicos>

¹⁴⁵⁸ Government of Canada opens applications for federal programs under Sustainable Canadian Agricultural Partnership, Agriculture and Agri-Food Canada (Ottawa) 6 March 2023. Access Date: 7 March 2023. <https://www.canada.ca/en/agriculture-agri-food/news/2023/03/government-of-canada-opens-applications-for-federal-programs-under-sustainable-canadian-agricultural-partnership.html>

¹⁴⁵⁹ Hiroshima Action Statement for Resilient Global Food Security, G7 Information Centre (Hiroshima) 20 May 2023. Access Date 1 June 2023. <http://www.g7.utoronto.ca/summit/2023hiroshima/230520-food.html>

¹⁴⁶⁰ Backgrounder: Minister Sajjan concludes trip to Chad and announces development and humanitarian assistance funding, Global Affairs Canada (Ottawa) 29 March 2023. Access Date: 1 June 2023. <https://www.canada.ca/en/global-affairs/news/2023/05/backgrounder-minister-sajjan-concludes-trip-to-chad-and-announces-development-and-humanitarian-assistance-funding.html>

mainly on processed protein.¹⁴⁶¹ Brazil will be able to market its food product to Chinese consumers expanding its export and helping with the needs of Chinese food supply.

On 25 April 2023, Premier Li Qiang of the State Council sent a congratulatory letter to the ASEAN-China Year of Agricultural Development and Food Security Cooperation.¹⁴⁶² Li Qiang conveyed his hope that both sides would work to make more sustainable agriculture development, and to better ensure food security.

On 3 May 2023, China's Permanent Representative to the United Nations Zhang Jun addressed the UN Security Council.¹⁴⁶³ During his speech, he focused on the importance of food security and essential services to ensure the "security and dignity of civilians in conflict." Jun also reaffirmed China's commitment to implementing the Global Development Initiative proposed by President Xi Jinping.

On 4 July 2023, delegates of the UN Food and Agricultural Organization praised China for its contribution to addressing global food security, particularly to eliminate poverty and hunger.¹⁴⁶⁴ Minister of Agriculture and Rural Affairs Tang Renjian also reaffirmed China's commitment to addressing global food challenges, as a major developing country.

China has partially complied with the commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities globally. It has taken some action to collaborate with Brazil towards food insecurity, but has not taken sufficient actions to fully comply with the commitment.

Thus, China receives a score of 0.

Analysts: Zhaoxu (Leo) Liao and Amandhi Senaratne

France: +1

France has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.

On 26 November 2022, President Emmanuel Macron announced an additional EUR6 million allocated to the World Food Programme to export Ukrainian grain to Yemen and Sudan.¹⁴⁶⁵ This was done as part of the "Grain from Ukraine" initiative. This EUR6 million is added to the pre-existing EUR14 million helping WFP export Ukrainian grain to Somalia.

On 19 January 2023, President Macron and Spanish President Pedro Sánchez signed a Treaty of Friendship and Cooperation between Spain and France.¹⁴⁶⁶ The treaty highlights the importance of collaboration in the vegetation and wine sectors between Spain and France, proposing joint committees for fruit, vegetable,

¹⁴⁶¹ China abre novo mercado para produto brasileiro durante visita oficial do presidente Lula e ministro Fávoro, gov.br (Brasília) 14 April 2023. Translation provided by Google Translate. Access Date: 29 April 2023.

<https://www.gov.br/agricultura/pt-br/assuntos/noticias/china-abre-novo-mercado-para-produto-brasileiro-durante-visita-oficial-do-presidente-lula-e-ministro-favaro>

¹⁴⁶² Li Qiang Sends Congratulatory Letter to the Opening Ceremony of ASEAN-China Year of Agricultural Development and Food Security Cooperation, Ministry of Foreign Affairs of the People's Republic of China (Beijing) 25 April 2023. Access date: 15 June 2023. https://www.fmprc.gov.cn/eng/zxxx_662805/202304/t20230426_11066567.html

¹⁴⁶³ Remarks by China's Permanent Representative to the UN Ambassador Zhang Jun at the UN Security Council Open Debate On Ensuring the Security and Dignity of Civilians in Conflict: Addressing Food Insecurity and Protecting Essential Services, Ministry of Foreign Affairs of the People's Republic of China (Beijing) 23 May 2023. Access date: 15 June 2023. https://www.fmprc.gov.cn/eng/wjw_663304/zwjg_665342/zwbj_665378/202305/t20230525_11083491.html

¹⁴⁶⁴ China's role in global food security hailed, China Daily (Rome) 4 July 2023. Access date: 13 August 2023. <https://global.chinadaily.com.cn/a/202307/04/WS64a3565aa310bf8a75d6d021.html>

¹⁴⁶⁵ Food security – France continues to take action to strengthen global food security, Ministère de L'Europe et des Affaires Étrangères (Paris) 26 November 2022. Translation provided by Google Translate. Access Date: 17 March 2023. <https://www.diplomatie.gouv.fr/en/french-foreign-policy/development-assistance/food-security-nutrition-and-sustainable-agriculture/news/article/food-security-france-continues-to-take-action-to-strengthen-global-food>

¹⁴⁶⁶ Spain and France strengthen their agricultural cooperation ties in favour of sustainable and sufficient food production, La Moncloa (Madrid) 19 January 2023. Translation provided by Google Translate. Access Date: 17 March 2023. https://www.lamoncloa.gob.es/lang/en/gobierno/news/Paginas/2023/20230119_spain-france-agriculture.aspx

and wine sectors that meet regularly, along with representatives from Italy and Portugal. Spanish Minister for Agriculture, Fisheries and Food Luis Planas and French Minister for Agriculture and Food Sovereignty Marc Fesneau also had an interest in trade that would preserve the industries of these respective countries. With the signing of this Treaty of Friendship and Cooperation, it was also announced that both France and Spain would commit to the advancement of EU support for Ukraine's food security and initiatives like the Black Sea Grain initiative to promote Ukrainian products.

On 22 June 2023, President Macron attended the New Global Financing Pact, during which he encouraged global leaders to increase their funding for the UN's International Fund for Agricultural Development (IFAD) which supports global food security.¹⁴⁶⁷ He also announced that France will champion IFAD's goals to achieve zero hunger and meet the Sustainable Development Goals.

France has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally. France had made active efforts to improve food access and combat food insecurity worldwide, with new efforts and propositions being made to address this after the 2022 Bali Summit, particularly food security and export in Ukraine, Yemen, Sudan, and Somalia.

Thus, France receives a compliance score of +1.

Analyst: Gayathri Siva

Germany: +1

Germany has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.

On 15 November 2022, Germany provided an additional EUR15 million to the Enhanced Adaptation for Smallholder Agriculture Programme (ASAP+) of the United Nations International Fund for Agricultural Development (IFAD).¹⁴⁶⁸ ASAP focuses on Brazil, Ethiopia and Lesotho to help small-scale producers build their resilience to climate change, boost food production, better participate in markets, and improve access to nutritious diets.

On 17 November 2022, Foreign Minister Annalena Baerbock and Environment Minister Steffi Lemke announced that Germany would increase its contribution to the International Adaptation Fund by EUR60 million.¹⁴⁶⁹ This increase supports smallholder farmers from developing countries against turbulent weather changes caused by climate change. Furthermore, the financial contribution supports new innovative projects that combine climate adaptation and biodiversity protection, which means these risk-prevention measures safeguard vital natural resources and agricultural goods simultaneously.

On 5 December 2022, Germany granted EUR30 million to the IFAD to support smallholder farmers in coping with the impacts of the global food, fertilizer and energy crisis.¹⁴⁷⁰ Germany's funding will be channelled as immediate support through existing IFAD programs and is a response to the rise in pieces

¹⁴⁶⁷ France champions ambitious call to fund IFAD to ensure long-term global food security and stability, International Fund for Agricultural Development (Rome) 22 June 2023. Access Date: 24 August 2023. <https://www.ifad.org/en/web/latest/-/france-champions-ambitious-call-to-fund-ifad-to-ensure-long-term-global-food-security-and-stability>

¹⁴⁶⁸ Germany commits EUR 15 million to pay poor rural people for their work to preserve ecosystems, International Fund for Agricultural Development (Rome) 15 November 2022. Access Date: 10 August 2023. https://www.ifad.org/en/web/latest/-/germany-commits-eur-15-million-to-pay-poor-rural-people-for-their-work-to-preserve-ecosystems?p_i_back_url=%2Fen%2Fsearch%3Fq%3Dgermany%26year%3D47186552%26year%3D43650289

¹⁴⁶⁹ Germany increases funding for the global adaptation fund by 60 million euro, Federal Foreign Office and the Federal Ministry for the Environment (Berlin) 17 November 2022. Access date: 13 March 2022. <https://www.bmv.de/en/pressrelease/germany-increases-funding-for-global-adaptation-fund-by-60-million-euro-the-federal-foreign-office-and-the-federal-ministry-for-the-environment-are-increasing-their-contribution-to-the-international-adaptation-fund-by-30-million-euro-each>

¹⁴⁷⁰ Germany provides EUR 30 million to IFAD's immediate response to the global food and energy crisis, International Fund for Agricultural Development (Rome) 05 December 2022. Access date: 13 March 2022. <https://www.ifad.org/en/web/latest/-/germany-provides-eur-30-million-to-ifad-s-immediate-response-to-the-global-food-and-energy-crisis>

of food, fuel and fertilizers. Therefore, the ability of smallholder farmers to produce food and feed their families and communities is improved during a time of crisis.

On 29 December 2022, the Federal Ministry of Food and Agriculture introduced the Fertiliser Act.¹⁴⁷¹ This act includes the “Ordinance on Nutrient-Flow Balances” which is designed to increase the sustainable and resource-efficient handling of nutrients on German farms, which then improves fertilization, nutrient efficiency and environmental conservation.

On 2 January 2023, the Federal Ministry for Economic Cooperation and Development announced a special initiative called “Transformation of Agricultural and Food Systems.”¹⁴⁷² In the future, the initiative will bring some new priorities, such as the rapid and fundamental transformation of the agricultural and food systems by shifting towards sustainable and climate-friendly growing and processing methods that improve food security. The initiative seeks to assist over two million people in adapting to climate change. Then, restore 1.7 million hectares of degraded land and forests sustainably. Finally, it improves the incomes of 3.2 million smallholder farming families. Through 16 Green Innovation Centres, the Federal Ministry for Economic Cooperation and Development is helping to share innovations in the food and agriculture sector, which it is hoped will improve the productivity of 1.6 million smallholder farms.

On 21 January 2023, the Federal Ministry of Food and Agriculture announced the key outcomes of the Berlin Conference of Agriculture Ministers.¹⁴⁷³ These outcomes include commitments to design crisis-free food systems and develop sustainable global food systems to address food shortages and mitigate food waste and loss.

On 18 February 2023, Dr. Bärbel Kofler, Parliamentary State Secretary in the German Development Ministry, visited Southern Africa to introduce the new Africa Strategy.¹⁴⁷⁴ This strategy is based on the principle of respect and fair cooperation, which deepen Germany’s cooperation with Malawi and Zambia in securing food security. The goal is to implement and polish the key success factors for sustainable food security so that climate change will not compromise the population’s health.

On 08 May 2023, the Federal Ministry of Food and Agriculture announced that the Joint Task force for “Improvement of Agricultural Structures and Coastal Protection” will receive EUR1.9 billion in funding in 2023, with EUR1.1 billion being provided by the federal government.¹⁴⁷⁵ The funding will support efficiency and advancements in the agriculture sector, improve coastal protection and support inland flood protection.

On 15 June 2023, the Federal Ministry for Economic Cooperation and Development announced that the Development Ministry and World Bank are cooperating to boost international efforts to establish and improve social protection systems.¹⁴⁷⁶ Social protection systems enable social safety nets support agricultural, industrial and energy systems, prevent crises, and prevent poverty by providing financial assistance to support individuals such as small farmers to afford seeds and other products to continue farming.

¹⁴⁷¹ Fertilisation, The Federal Ministry of Food and Agriculture (Berlin) 29 December 2022. Access date: 01 May 2023. <https://www.bmel.de/EN/topics/farming/plant-production/fertilisation.html>

¹⁴⁷² Transformation of Agricultural and Food Systems, Federal Ministry of Economic Cooperation and Development (Berlin) 02 January 2023. Access Date: 13 March 2023. <https://www.bmz.de/en/issues/food-security/transformation-of-agricultural-and-food-systems>

¹⁴⁷³ Özdemir: "Build grain silos instead of sending grain sacks", The Federal Ministry of Food and Agriculture (Berlin) 21 January 2023. Access Date: 10 August 2023. <https://www.bmel.de/SharedDocs/Pressemitteilungen/EN/2023/gffa-agriculture-ministers-conference-2023.html>

¹⁴⁷⁴ Germany supports reform policies in Zambia and Malawi, Federal Ministry of Economic Cooperation and Development (Berlin) 18 February 2023. Access date: 13 March 2023. <https://www.bmz.de/en/news/press-releases/germany-supports-reform-policies-in-zambia-and-malawi-142458>

¹⁴⁷⁵ Joint Task for the "Improvement of Agricultural Structures and Coastal Protection", Federal Ministry of Food and Agriculture (Berlin) 8 May 2023. Access Date: 10 August 2023. <https://www.bmel.de/EN/topics/rural-regions/rural-development-support/gak.html>

¹⁴⁷⁶ Germany and the World Bank are pressing ahead with support for establishing social protection systems, Federal Ministry of Economic Cooperation and Development (Berlin) 15 June 2023. Access Date: 10 August 2023. <https://www.bmz.de/en/news/press-releases/germany-world-bank-extending-social-support-systems-156996>

Germany has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally. Germany has participated in coordinated efforts to address food security challenges in Zambia and Malawi. It has also addressed price surges and the shortage of fertilizers by donating to IFAD, which gives more fertilizer and products to smallholder farmers. Finally, Germany has developed an initiative to protect food security against climate change.

Thus, Germany receives a score of +1.

Analyst: Ada Davidrajub

India: +1

India has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.

On 1 January 2023, the government began executing an integrated food security scheme named the Pradhan Mantri Garib Kalyan Ann Yojana.¹⁴⁷⁷ The project aims to provide free grains to more than 800 million people in poverty, thus improving food security and access.

On 1 February 2023, the government discussed plans to establish the Atmanirbhar Clean Plant Program to be launched before 2030, with an outlay of INR22 billion.¹⁴⁷⁸ This is aimed at boosting improved quality agricultural commodities for high value horticultural crops, improving food security and availability within the country.

On 10 February 2023, Union Minister of State for Consumer Affairs, Food and Public Distribution Sadhvi Niranjana Jyoti acknowledged that the National Food Security Act of 2013 includes 75% of the rural and 50% of the urban Indian population.¹⁴⁷⁹ As such, those populations are now able to receive highly subsidized food grains. This includes households under the government's Antyodaya Anna Yojana scheme who are now legally entitled to 35 kilograms of food grains, per family, every month.

On 23 January 2023, OCP Group signed a Memorandum of Understanding with Indian public and private fertilizer producers to provide about 1.7 million metric tons of phosphate fertilizers used for agricultural purposes over the next year.¹⁴⁸⁰ The partnership aims to promote new fertilization methods and solutions to help Indian farmers meet their needs.

On 13 February 2023, the first Agriculture Deputies Meeting for the Agriculture Working Group took place in Indore, India.¹⁴⁸¹ During the three-day meeting, delegates from G20 nations discussed "food security and nutrition, sustainable agriculture with the climate smart approach, inclusive agricultural value chains and food systems and digitalization for agricultural transformation."

¹⁴⁷⁷ Free foodgrains distributions scheme to cover 80 crore poor name PMGKAY: Centre, The Hindu (New Delhi) 11 January 2023. Access Date: 18 March 2023. <https://www.thehindu.com/news/national/free-foodgrains-distribution-scheme-to-cover-80-crore-poor-named-as-pmgkay-centre/article66365222.ece>

¹⁴⁷⁸ Govt to launch Atmanirbhar Clean Plant programme with outlay of RS 2,200 cr, Business Standard (New Delhi) 1 February 2023. Access date: 18 March 2023 https://www.business-standard.com/budget/article/govt-to-launch-atmanirbhar-clean-plant-programme-with-outlay-of-rs-2-200-cr-123020100930_1.html

¹⁴⁷⁹ National Food Security Act, 2013 (NFSA) provides coverage of 75% rural and 50% urban population, Ministry of Consumer Affairs, Food & Public Distribution (Delhi) 10 February 2023. Access Date: 18 March 2023. <https://pib.gov.in/PressReleaseFramePage.aspx?PRID=1897933>

¹⁴⁸⁰ OCP Group and India enter a strategic partnership to strengthen food security and confirm their common ambition for an innovative and sustainable agriculture, Cision PR Newswire (New Delhi) 23 January 2023. Access Date: 11 June 2023. <https://www.prnewswire.com/in/news-releases/ocp-group-and-india-enter-a-strategic-partnership-to-strengthen-food-security-and-confirm-their-common-ambition-for-an-innovative-and-sustainable-agriculture-301727795.html>

¹⁴⁸¹ The 1st Agriculture Deputies Meeting (ADM) of the Agriculture Working Group under India's G20 Presidency concluded successfully today at Indore, Ministry of Agriculture and Farmers Welfare (Delhi) 15 February 2023. Access Date: 19 June 2023. <https://pib.gov.in/PressReleasePage.aspx?PRID=1899499>

On 22 February 2023, the US Department of State announced India's intention to join the Agriculture Innovation Mission for Climate launched by the US and UAE.¹⁴⁸² The initiative includes 275 partners, including 42 governments, collaborating to increase technological advancements and support climate smart agriculture and food processing innovations.

On 18 March 2023, Prime Minister Narendra Modi discussed the use of millets in tackling challenges of food security while speaking at the Global Millets (Shree Anna) Conference in Delhi.¹⁴⁸³ He emphasized that the government plans to take a number of initiatives to ensure that marginal farmers can secure millet production and increase its contribution towards the national food basket.

On 19 March 2023, the Government announced the signing of a Memorandum of Understanding between India and the World Food Programme for cooperation between 2023 and 2027.¹⁴⁸⁴ The memorandum was signed during the Global Millets (Shree Anna) Conference and focuses on promoting food self-sufficiency and supporting efforts to ensure long term solutions to hunger in India.

On 29 March 2023, the first day of the Agriculture Deputies Meeting of the Agricultural Working Group was held in Chandigarh, India.¹⁴⁸⁵ The three-day meeting tackled issues including the food market situation. It also provided outlooks, status and development details such as capacity building needs and strategies for the Agricultural Market Information System.

On 17 April 2023, the Meeting of Agricultural Chief Scientists from G20 nations concluded in Varanasi, India.¹⁴⁸⁶ During the meeting, participants discussed innovations and technological interventions for agri-food systems and adopted an outcome document focused on major areas of cooperation for agricultural research and development for food security and nutrition.

On 20 April 2023, the United Arab Emirates (UAE) and India Business Council, UAE and Israel Business Council and UAE and US Business Council signed a Memorandum of Understanding to promote a joint initiative called the I2U2 Business Coalition.¹⁴⁸⁷ The initiative aims to support cooperative economic integration in six targeted areas including food security.

On 24 April 2023, the Federation of Indian Export Organisations signed a Memorandum of Understanding with Business Russia to promote trade and investments between the countries.¹⁴⁸⁸ This memorandum was signed as part of India's visit to Moscow to discuss the food processing and agriculture sector and aims to help India diversify exports including within the food and agricultural industry.

On 31 May 2023, Minister of Information and Broadcasting Anurag Singh Thakur announced that the Union Cabinet approved a INR1 trillion program to create the "world's largest grain storage plan in

¹⁴⁸² India Joins the Agriculture Innovation Mission for Climate, U.S. Department of State (Washington D.C.) 22 February 2023. Access Date: 19 June 2023. <https://www.state.gov/india-joins-the-agriculture-innovation-mission-for-climate/>

¹⁴⁸³ PM Modi says, India's millet mission to be blessing for 2.5 crore small farmers, All India Radio News (Delhi) 18 March 2023. Access Date: 18 March 2023. <https://newsonair.gov.in/News?title=India%26%2339%3Bs-millet-mission-will-be-a-blessing-for-2.5-crore-small-farmers%2C-said-PM-Modi&id=457688>

¹⁴⁸⁴ Union Agriculture Minister Shri Tomar holds bilateral meetings with the ministers of Guyana, Suriname, Zambia, Mauritius and Sri Lanka MoU signed with the World Food Programme of the United Nations during the Global Millets Conference, Ministry of Agriculture and Farmers Welfare (Delhi) 19 March 2023. Access Date: 18 June 2023. <https://pib.gov.in/PressReleaseSelfFramePage.aspx?PRID=1908586>

¹⁴⁸⁵ G20 India | Ensuring food security with sustainable agriculture, All India Radio News (Delhi) 29 March 2023. Access Date: 28 April 2023. <https://newsonair.com/2023/03/29/g20-india-ensuring-food-security-with-sustainable-agriculture/>

¹⁴⁸⁶ The 100th G20 Meeting under India's G20 Presidency, the Meeting of Agricultural Chief Scientists (MACS) concludes successfully at Varanasi, G20 (New Delhi) 19 April 2023. Access Date: 11 June 2023. <https://www.g20.org/en/media-resources/press-releases/april-23/macs-concludes/>

¹⁴⁸⁷ Bilateral Business Councils Announce Creation of I2U2 Business Coalition, Maryville Forum (Washington) 20 April 2023. Access Date: 28 April 2023. https://www.maryvilleforum.com/business/bilateral-business-councils-announce-creation-of-i2u2-business-coalition/article_13124d35-5f4d-5639-b061-420ad4bab0a8.html

¹⁴⁸⁸ FIEO, Business Russia ink MoU to promote trade, investments, Times of India (New Delhi) 24 April 2023. Access Date: 18 June 2023. <https://timesofindia.indiatimes.com/fieo-business-russia-ink-mou-to-promote-trade-investments/articleshow/99735972.cms?from=mdr>

cooperative sector.”¹⁴⁸⁹ The plan aims to reduce crop damage and wastage, address grain shortages, create employment opportunities in rural areas and strengthen India’s food security overall.¹⁴⁹⁰

On 8 June 2023, the government announced its plan to employ Primary Agricultural Credit Societies (PACS) as ‘drone entrepreneurs’ used for spraying fertilizers and pesticides in the agricultural sector.¹⁴⁹¹ PACS will also operating as a retailer for fertilizers and other farming products, with the goal of increasing access to fertilizers, pesticides, seeds and agricultural machinery for farmers at the local level.

On 15 June 2023, the G20 Agriculture Ministers commenced the ‘Deccan High Level Principles’ meeting on food, security, and nutrition.¹⁴⁹² Spanning across two days, the meeting discussed principles including enhancing access to nutritious food and strengthening food security nets in the country.

On 25 June 2023, Prime Minister Narendra Modi and Egyptian President Abdel-Fattah El-Sisi signed a joint declaration on the strategic partnership of cooperation between both countries.¹⁴⁹³ Their partnership touches on a number of topics including food shortages, climate change and financing for developing nations.

On 4 July 2023, the Indian Chamber of Food and Agriculture (ICFA) and UAE’s Ras Al Khaimah Economic Zone (RAKEZ) signed a Memorandum of Understanding for mutual growth and development within their food and agriculture sectors.¹⁴⁹⁴ The partnership will include knowledge exchange, trade, investment and research and development to support agricultural innovation and crop improvement.

On 20 July 2023, the Food Safety and Standards Authority of India (RSSAI) hosted the two-day Global Food Regulator Summit 2023, in Delhi.¹⁴⁹⁵ Food regulators from various nations participated in the summit to discuss and launch initiatives focused on global food safety standards and improved food security frameworks.

India has fully complied with the commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally. India has taken initiatives, especially in combatting and addressing solutions towards food commodities price surges for population in poverty and has done so in collaboration with other members.

Thus, India receives a score of +1.

Analyst: Ridhima Sinha

¹⁴⁸⁹ Cabinet approves Rs 1 lakh crore scheme to increase grain storage capacity in co-operative sector, All India Radio News (Delhi) 31 May 2023. Access Date: 18 June 2023. <https://newsonair.com/2023/05/31/cabinet-approves-rs-1-lakh-crore-scheme-to-increase-grain-storage-capacity-in-co-operative-sector/>

¹⁴⁹⁰ Scheme to boost grain storage capacity cleared, Hindustan Times (Delhi) 1 June 2023. Access Date: 18 June 2023. <https://www.hindustantimes.com/india-news/pm-modi-led-cabinet-approves-rs-1-lakh-cr-grain-storage-program-to-build-world-s-largest-storage-plan-in-new-delhi-101685559140633.html>

¹⁴⁹¹ PACS can be roped in as drone traders for spraying fertilizers: Coop Min, Business Standard (New Delhi) 8 June 2023. Access Date: 24 August 2023. https://www.business-standard.com/india-news/pacs-can-be-roped-in-as-drone-traders-for-spraying-fertilizers-coop-min-123060800798_1.html

¹⁴⁹² Agri meet sees consensus emerging on food security principles, millet initiative, Indian Express (New Delhi) 17 June 2023. Access Date: 13 August 2023. <https://indianexpress.com/article/india/agri-meet-sees-consensus-emerging-on-food-security-principles-millet-initiative-8668051/>

¹⁴⁹³ Egypt and India forge strategic partnership with signing of joint declaration, Ahram Online (Cairo) 25 June 2023. Access Date: 13 August 2023. <https://english.ahram.org.eg/NewsContent/1/1234/503717/Egypt/Foreign-Affairs/Egypt-and-India-forge-strategic-partnership-with-s.aspx>

¹⁴⁹⁴ Indian Chamber of Food and Agriculture & Ras Al Khaimah of UAE signs MoU to enhance agri-collaboration, News On Air (New Delhi) 4 July 2023. Access Date: 13 August 2023. <https://newsonair.com/2023/07/04/indian-chamber-of-food-and-agriculture-ras-al-khaimah-of-uae-signs-mou-to-enhance-agri-collaboration/>

¹⁴⁹⁵ 2-day Global Food Regulators Summit 2023 concludes with a pledge to strength food safety systems across the globe, Ministry of Health and Family Welfare (Delhi) 21 July 2023. Access Date: 24 August 2023. <https://pib.gov.in/PressReleaseIframePage.aspx?PRID=1941621#:~:text=The%20Global%20Food%20Regulators%20Summit%20was%20inaugurated%20on%2020th,related%20to%20food%20safety%20systems>

Indonesia: 0

Indonesia has partially complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.

On 6 February 2023, Coordinating Minister for Maritime Affairs, and Investment Luhut Pandjaitan announced the suspension of some palm oil export permits.¹⁴⁹⁶ This action aims to prevent price surges domestically while increasing the risk of food commodity shortages and price surges globally.

On 5 March 2023, Coordinating Minister for the Economy Airlangga Hartarto revealed a new 2023 Social Assistance program that would distribute food commodities prior to Ramadan, for three months, to control food price volatility during the period.¹⁴⁹⁷ This domestic action aims to help prevent price surges in food commodities during the period in which the program is active.

On 5 March 2023, Governor of the Bank of Indonesia Perry Warjiyo introduced plans to strengthen the flagship programs of the National Movement for Food Inflation Control (GNPIP) in 2023, including measures to keep volatile food inflation under control and deepening inter-regional cooperation to ensure national food security.¹⁴⁹⁸ This domestic initiative aims to help suppress price surges and prevent food shortages but does not by itself constitute strong action.

On 6 March 2023, the construction of a fertilizer industrial area by Pupuk Kalimantan Timur in Fakfak, West Papua designated as a national strategic project officially began with an estimated investment of IDR28.6 trillion.¹⁴⁹⁹ This initiative aims to increase the supply of fertilizer in the future and prevent shortages.

On 5 April 2023, the Bank of Indonesia and Central and Regional Inflation Control Teams launched two flagship programs of food sector digitalization and controlling short-term food inflation as part of GNPIP.¹⁵⁰⁰ This digitalization of the food sector is aimed at increasing the productivity of food production in Indonesia to support price stability and national food security. This substantial domestic action should assist in addressing price surges and food shortages globally in the long-term.

Indonesia has partially complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally. Indonesia's domestic efforts to improve fertilizer and food supplies as well as to limit food price surges are encouraging, however some of its actions restrict global supplies of food commodities and negatively impact global food security.

Thus, Indonesia receives a score of 0.

Analyst: Zenon Bute

Italy: +1

Italy has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.

¹⁴⁹⁶ Indonesia to suspend some palm oil export permits, Reuters (Jakarta) 6 February 2023. Access Date: 10 March 2023.

<https://www.reuters.com/markets/commodities/indonesia-suspend-some-palm-oil-export-permits-senior-official-2023-02-06/>

¹⁴⁹⁷ Bansos Baru 2023 Komoditas Pangan Jelang Ramadhan, Ini Penjelasan Airlangga Hartarto!, Tribun Pontianak (Jakarta) 8 March 2023. Translation provided by Google Translate. Access Date: 9 March 2023.

<https://pontianak.tribunnews.com/2023/03/08/bansos-baru-2023-komoditas-pangan-jelang-ramadhan-ini-penjelasan-airlangga-hartarto>

¹⁴⁹⁸ Tujuh Program Unggulan GNPIP 2023, Kunci Stabilitas Harga Dan Ketahanan Pangan Nasional, Bank Sentral Republik Indonesia (Makassar) 5 March 2023. Translation provided by Google Translate. Access Date: 10 March 2023.

https://www.bi.go.id/id/publikasi/ruang-media/news-release/Pages/sp_255323.aspx

¹⁴⁹⁹ Pabrik Pupuk Baru di Fakfak, Lokomotif Perekonomian Papua, Portal Informasi Indonesia (Jakarta) 6 March 2023. Translation provided by Google Translate. Access Date: 9 March 2023.

<https://indonesia.go.id/kategori/editorial/6912/pabrik-pupuk-baru-di-fakfak-lokomotif-perekonomian-papua?lang=1>

¹⁵⁰⁰ GNPIP 2023: Digitalisasi Dan Hilirsasi Pertanian Di Jawa Perkuat Ketahanan Pangan Nasional, Bank Sentral Republik Indonesia (Purwakarta) 5 April 2023. Translation provided by Google Translate, Access Date: 30 April 2023.

https://www.bi.go.id/id/publikasi/ruang-media/news-release/Pages/sp_258623.aspx

On 2 December 2022, Italy announced that the European Commission approved its Strategic Plan for the Common Agricultural Policy, for a five-year period between 2023 and 2027.¹⁵⁰¹ As part of the plan, Italy, backed by the European Union, will provide EUR37 billion to support agriculture and food sustainability. This includes basic income support, redistributive payments and special funding to support farmers and work towards food security in Italy and the EU.¹⁵⁰²

On 15 December 2022, Minister of Agriculture, Food Sovereignty and Forestry Francesco Lollobrigida announced the reopening of red shrimp fishing in the western Mediterranean.¹⁵⁰³ This action aims to increase the availability of high-quality products within the food market and work towards food sovereignty.

On 16 December 2022, Minister Lollobrigida announced the end of a pork embargo on Sardinia, allowing most of the island to export pork products outside of the region.¹⁵⁰⁴ This action is aimed at supporting Sardinian farmers in restarting economic activities alongside increasing the supply of pork products on the market.

On 21 January 2023, Minister Lollobrigida spoke at the Global Forum on Food and Agriculture (GFFA) in Berlin, that global cooperation is necessary to respond to the food crisis and ensure food sovereignty.¹⁵⁰⁵ As part of the forum, Italy affirmed its commitment towards food security and was among the 64 nations at the conference who called for the creation of sustainable food and production systems.¹⁵⁰⁶ The nations also committed to working towards sustainable food supply systems to reduce food loss and waste as part of the GFFA's Final Communiqué.

On 2 February 2023, Minister Lollobrigida announced that EUR500 million in funding from the National Recovery and Resilience Plan will be allocated towards oil mills and the agriculture and food sector.¹⁵⁰⁷ EUR400 million of this funding will support the “modernization of agricultural machinery” to improve the quality and supply of food and agricultural production.

On 3 February 2023, Italy announced it will host the United Nations Food Systems Stocktaking Moment, a summit involving the International Fund for Agricultural Development and the World Food Programme. As a co-organizer of the event, Italy committed to playing an active role in promoting food security and fighting price surges globally.¹⁵⁰⁸

On 9 February 2023, Prime Minister Giorgia Meloni sent a message of greeting to the Economic Conference of ‘Cia-Agricoltori Italiani’, reaffirming the government’s commitment to Italy’s food and

¹⁵⁰¹ Lollobrigida: ottima notizia approvazione circa 37 mld PSN, Ministero dell’agricoltura, della sovranità alimentare e delle foreste (Rome) 2 December 2022. Translation provided by Google Translate. Access Date: 7 May 2023.

https://www.politicheagricole.it/Lollobrigida_PSN

¹⁵⁰² The Commission approves the CAP Strategic Plans of Cyprus and Italy, European Commission (Brussels) 2 December 2022. Access Date: 7 May 2023. https://agriculture.ec.europa.eu/news/commission-approves-cap-strategic-plans-cyprus-and-italy-2022-12-02_en

¹⁵⁰³ Riaperta la pesca del gambero rosso nel Mediterraneo occidentale, Ministero dell’agricoltura, della sovranità alimentare e delle foreste (Rome) 15 December 2022. Translation provided by Google Translate. Access Date: 7 May 2023.

https://www.politicheagricole.it/riaperta_pesca_gambero_rosso_mediterraneo_occidentale

¹⁵⁰⁴ Lollobrigida: fine embargo carni suine per Sardegna è notizia storica, Ministero dell’agricoltura, della sovranità alimentare e delle foreste (Rome) 16 December 2022. Translation provided by Google Translate. Access Date: 7 May 2023.

https://www.politicheagricole.it/pestesuina_fine_embargo

¹⁵⁰⁵ Lollobrigida a GFFA Berlino: “Lavorare per sovranità alimentare globale,” Ministero dell’agricoltura, della sovranità alimentare e delle foreste (Rome) 21 January 2023. Translation provided by Google Translate. Access Date: 7 May 2023.

https://www.politicheagricole.it/lollobrigida_gffa_berlino

¹⁵⁰⁶ 15th Berlin Agriculture Ministers’ Conference, Federal Ministry of Food and Agriculture (Berlin) 21 January 2023. Access Date: 7 May 2023. https://gffa-berlin.de/wp-content/uploads/2015/10/GFFA_2023_Final-Comminuque%CC%81_EN_com.pdf

¹⁵⁰⁷ Ministro Lollobrigida firma decreto da 500 mln per frantoi e innovazione agricola: “Governo Meloni ha sguardo al futuro,” Ministero dell’agricoltura, della sovranità alimentare e delle foreste (Rome) 2 February 2023. Translation provided by Google Translate. Access Date: 7 May 2023. https://www.politicheagricole.it/500mln_innovazione_agricola

¹⁵⁰⁸ Transforming How We Eat, ‘a Critical Accelerator’ towards 2030 Development Goals: Deputy UN Chief, United Nations (New York) 3 February 2023. Access Date: 3 March 2023. <https://news.un.org/en/story/2023/02/1133142>

agriculture sector.¹⁵⁰⁹ She also announced that the government would be rapidly implementing Italy's new Common Agricultural Policy and investing EUR35 billion in the food and agriculture sector over the next five years.

On 28 March 2023, Minister Lollobrigida and Albania's Minister of Agriculture and Rural Development Frida Krifca signed a Memorandum of Understanding to cooperate on agri-food including fisheries and the agri-food processing sector.¹⁵¹⁰ The agreement aims to support sustainable food models, "sustainable management of marine resources" and promote the Mediterranean diet.

On 26 April 2023, Italy and Ukraine partook in the Italy-Ukraine Reconstruction Conference in Rome during which they signed several Memorandums of Understanding including a "Memorandum of Understanding and cooperation on the Italian Agrifood Model for the Reconstruction and the Food Security of Ukraine between Ukrainian Agri Council Public Union and Filiera Italiana, Coldiretti."¹⁵¹¹ As part of the agreement, Italy will support projects in the agriculture, agri-food and agricultural mechanization sector in Ukraine to combat the global food crisis.¹⁵¹²

On 11 May 2023, Minister of Enterprise Adolfo Urso held a commission with lawmakers, pasta producers and consumer rights groups to discuss rising pasta prices.¹⁵¹³ Following the meeting, a spokesperson for Urso promised that price increases were temporary while the commission stated that there were signs that pasta prices were already beginning to decrease.

Italy has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally. Italy has taken a number of domestic and international actions to address food security by enabling agricultural production and modernization through funding and cooperation agreements.

Thus, Italy receives a score of +1.

Analysts: Zhaoxu (Leo) Liao and Amandhi Senaratne

Japan: +1

Japan has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.

On 27 December 2022, the Government released the "Food Security Reinforcement Policy Framework," which aims to lower Japan's dependence on imports and to push increased domestic production of wheat, soybeans, feed grains, hay and fertilizer inputs.¹⁵¹⁴ The framework aims to alleviate food security issues domestically.

On 3 March 2023, the Ministry of Foreign Affairs decided to provide food-related assistance totaling USD50 million, consisting of USD45 million in Emergency Grant Aid through international organizations and USD5 million in food assistance through Japanese non-governmental organizations (NGOs), as a

¹⁵⁰⁹ President Meloni's message greeting to the IX economic conference of 'CIA-Agricoltori Italiani,' Italian Government Presidency of the Council of Ministers (Rome) 9 February 2023. Access date: 21 June 2023. <https://www.governo.it/en/articolo/president-meloni-s-message-greeting-ix-economic-conference-cia-agricoltori-italiani/21843>

¹⁵¹⁰ Il ministro Lollobrigida in Albania, firmato accord per cooperazione, promozione delle attività commerciali e di investimento, Ministero dell'agricoltura, della sovranità alimentare e delle foreste (Rome) 28 March 2023. Translation provided by Google Translate. Access Date: 7 May 2023. https://www.politicheagricole.it/missione_Albania

¹⁵¹¹ Joint Communiqué between Italy and Ukraine on the occasion of the Conference on the Reconstruction of Ukraine (Rome, 26 April 2023), Ministero degli Affari Esteri e della Cooperazione Internazionale (Rome) 26 April 2023. Access Date: 7 May 2023.

¹⁵¹² Ukrainian farmers will receive assistance from Italy's most influential agricultural associations, Ukrainian Agrarian Council (Uman) 26 April 2023. Access Date: 7 May 2023. <https://uacouncil.org/en/post/ukrainian-farmers-will-receive-assistance-from-italys-most-influential-agricultural-associations>

¹⁵¹³ Italian pasta prices are soaring. Rome is in crisis talks with producers, CNN (Rome and London) 12 May 2023. Access Date: 25 June 2023. <https://www.cnn.com/2023/05/11/business/italian-pasta-price-rises/index.html>

¹⁵¹⁴ Japan: Japan Announces Measures to Strengthen Food Security, Foreign Agricultural Service (Washington D.C.) 10 March 2023. Access Date: 30 April 2023. <https://www.fas.usda.gov/data/japan-japan-announces-measures-strengthen-food-security>

response to the deterioration of global food security.¹⁵¹⁵ The aid will be directed towards countries in Asia, the Middle East, Africa and Ukraine. This aid package which utilized both United Nations and Japanese NGOs aims to help the growing issues of food security around the globe.

On 10 March 2023, Ambassador to Ukraine Matsuda Kuninori attended a ceremony in Kyiv which formalized a cooperation with Ukraine where Japan would purchase sunflower and corn seeds from smallholder Ukrainian farmers in Kharkiv.¹⁵¹⁶ The cooperation aims to recover Ukraine's agricultural capacity which has been damaged by the war. This cooperation aims to help restore Ukrainian production capacity.

On 11 March 2023, Ambassador to Egypt Oka Hiroshi and representatives of the Food and Agriculture Organization of the United Nations signed a financing agreement worth approximately USD3.8 million to assist the Egyptian government in improving water productivity in agriculture.¹⁵¹⁷ This agreement helps provide enhanced food security in Egypt.

On 14 March 2023, the Ministry of Agriculture, Forestry and Fisheries decided to curb the increase of imported wheat selling price for the fiscal year ending in April 2023.¹⁵¹⁸ This decision came out of the drastic change of food prices and aimed to lower the burden of domestic consumers. This form of price control aims to mitigate the effects of food price volatility.

On 30 March 2023, the Government announced two grant aid projects for recovery and reconstruction in Ukraine. The first project called "the Programme for Emergency Recovery Phase 2" is worth USD400 million and will help with the reconstruction of Ukraine.¹⁵¹⁹ The recovery of agriculture is a key goal of the project which would help with the global food security issues.

On 20 April 2023, the Ministry of Agriculture, Forestry and Fisheries approved a business restructuring plan submitted by Nagoya Shokuhin Co., Ltd. The plan will consolidate businesses to introduce the latest refrigeration equipment to improve productivity and add value to its products.¹⁵²⁰ It aims to increase procurement volume of domestically produced rice securing sales for domestic producers hence increasing food security and development for domestic producers. This will further support securing adequate food supply in Japan.

On 27 April 2023, Chief Representative of the Tanzania Office of the Japan International Cooperation Agency Ara Hitoshi and Tanzania's Ministry of Finance and Planning signed a USD70 million loan agreement to improve and sustain food production.¹⁵²¹ The loan is part of the Tanzania Agricultural Input Support Project and aims to improve food productivity by scaling up the delivery of affordable inputs (certified seeds and fertilizers) to smallholder farmers in the target areas.

On 1 May 2023, the Japan International Cooperation Agency (JICA) signed a loan agreement with the Royal Government of Cambodia for the Southwest Phnom Penh Irrigation and Drainage Rehabilitation and

¹⁵¹⁵ Emergency Humanitarian Assistance for the Global Food Security, Ministry of Foreign Affairs of Japan (Tokyo) 3 March 2023. Access Date: 17 March 2023. https://www.mofa.go.jp/press/release/press1e_000385.html

¹⁵¹⁶ Support for Recovery of Ukrainian Agriculture's Production Capacity through Provision of Seeds, Ministry of Foreign Affairs of Japan (Kyiv) 10 March 2023. Access Date: 17 March 2023. https://www.mofa.go.jp/press/release/press4e_003226.html

¹⁵¹⁷ Egypt gets \$3.8 million Japanese grant to improve water, food security, State Information Service (Cairo) 11 March 2023. Access Date: 30 April 2023. <https://www.sis.gov.eg/Story/178160/Egypt-gets-%243.8-million-Japanese-grant-to-improve-water%2C-food-security?lang=en-us>

¹⁵¹⁸ Regarding the revision of the government selling price of imported wheat, Ministry of Agriculture, Forestry and Fisheries (Tokyo) 14 March 2023. Translation provided by Google Translate. Access Date: 17 March 2023. <https://www.maff.go.jp/j/press/nousan/boeki/230314.html>

¹⁵¹⁹ Additional Assistance for Recovery and Reconstruction in Ukraine, Ministry of Foreign Affairs of Japan (Tokyo) 30 March 2023. Access Date: 30 April 2023. https://www.mofa.go.jp/press/release/press1e_000403.html

¹⁵²⁰ Approval of business restructuring plan based on the Agricultural Competitiveness Enhancement Support Act (Nagoya Shokuhin Co., Ministry of Agriculture, Forestry and Fisheries (Tokyo) 20 April 2023. Translation provided by Google Translate. Access Date: 30 April 2023. https://www.maff.go.jp/j/press/nousan/b_taisaku/230420.html

¹⁵²¹ JICA and Tanzania sign a loan agreement to improve and sustain food production, Japan International Cooperation Agency (Tokyo) 27 April 2023. Access Date: 11 June 2023. <https://www.jica.go.jp/tanzania/english/office/topics/press230427.html>

Improvement Project.¹⁵²² The project and the loan aimed to increase the productivity of agriculture in impoverished regions and address food security issues in the country.

On 10 May 2023, JICA and the Philippines Department of Agriculture began implementing a joint project to develop vegetable value chain models to revolutionize the Philippine agriculture sector.¹⁵²³ The project aims to address unstable food supply and prices in the Philippines.

On 20 May 2023, Prime Minister Fumio Kishida signed a joint agreement with other G7 leaders and participating members in the Hiroshima Conference on collaborative actions addressing global food security.¹⁵²⁴ The agreement recognized the immediate food security crisis and agreed on short-term actions such as multisectoral humanitarian assistance and long-term actions including increased market collaboration and transparency to prepare for and prevent future food security crises.

On 22 May 2023, the JICA established the Facility for Supporting Agricultural supply chain and Food Security Enhancement, which will contribute to the sustainable development of partner countries through public and private infrastructure investment.¹⁵²⁵ The facility will provide up to USD1 billion to support a number of projects, including those that involve food-system and agricultural sector strengthening, support small farmers and provide emergency assistance for the import and export of food and fertilizers in fragile states. This will contribute to food security globally.

On 9 June 2023, the Ministry of Agriculture, Forestry and Fisheries, initiated the “Project for Expanding the Use of Fertilizers Derived from Domestic Resources”.¹⁵²⁶ The project aims to gather cultivation data and publicize information on domestic resource-derived fertilizers to expand the usage of domestic fertilizers reacting to the price surges of fertilizers globally.

On 5 July 2023, the government announced a package of approximately USD200 million in response to the deterioration of global food security.¹⁵²⁷ The package will be provided through bilateral assistance, UN agencies and Japanese NGOs. It aims to provide food assistance and support capacity building for countries facing food shortages alongside emergency food assistance for countries in the Middle East and Africa affected by the situation in Ukraine.

On 12 July 2023, the Ministry of Agriculture, Forestry and Fisheries implemented additional measures as part of the fertilizer price hike countermeasure project.¹⁵²⁸ These measures include subsidies and regional councils to support efforts to reduce the amount of chemical fertilizers used by farmers by 20 per cent. The measures aim to establish a production system that is less susceptible to the effects of international price fluctuations for fertilizers.

On 28 July 2023, the Ministry of Agriculture, Forestry and Fisheries, approved the first stage of the “Supply Securing Plan” based on the Act on Promotion of Economic Security, to promote the stockpiling of raw

¹⁵²² Signing of Japanese ODA Loan Agreement with the Kingdom of Cambodia: Contributing to increased productivity of agriculture through the improvement of the irrigation and drainage facilities of provinces in the southwest of Phnom Penh, Japan International Cooperation Agency (Tokyo) 1 May 2023. Access Date: 11 June 2023.

¹⁵²³ JICA-DA vegetable value chain project eyed to curb rising food prices and unstable food supply, Japan International Cooperation Agency (Tokyo) 10 May 2023. Access Date: 11 June 2023. https://www.jica.go.jp/philippine/english/office/topics/news/230510_01.html

¹⁵²⁴ Hiroshima Action Statement for Resilient Global Food Security, G7 Information Centre (Hiroshima) 20 May 2023. Access Date 1 June 2023. <http://www.g7.utoronto.ca/summit/2023hiroshima/230520-food.html>

¹⁵²⁵ Establishment of the Facility for Supporting Agricultural supply chain and Food security: Promoting private sector activities based on food security in developing countries, Japan International Cooperation Agency (Tokyo) 24 May 2023. Access Date: 11 June 2023. https://www.jica.go.jp/english/news/press/2023/20230524_32.html

¹⁵²⁶ We will start a project to expand the use of fertilizers derived from domestic resources!, Ministry of Agriculture, Forestry and Fisheries (Tokyo) 9 June 2023. Translation provided by Google Translate. Access Date: 13 August 2023. https://www.maff.go.jp/j/press/nousan/sizai/230609_33.html

¹⁵²⁷ Response to the Global Food Security affected by the Situation in Ukraine, Ministry of Foreign Affairs of Japan (Tokyo) 5 July 2023. Access Date: 13 August 2023. https://www.mofa.go.jp/press/release/press1e_000304.html

¹⁵²⁸ About conduct of chemical fertilizer reduction fixation measures business, Ministry of Agriculture, Forestry and Fisheries (Tokyo) 12 July 2023. Translation provided by Google Translate. Access Date: 13 August 2023. <https://www.maff.go.jp/j/press/nousan/sizai/230712.html>

materials for fertilizers.¹⁵²⁹ The plan includes stockpiling various raw materials such as ammonium phosphate and potassium chloride, to face the price surges of fertilizers globally.

Japan has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally. Japan demonstrated coordinated actions to address food shortages around the world through their aid packages, and at the same time, implemented policies to address food price changes domestically through policies controlling prices and managing food security.

Thus, Japan receives a score of +1.

Analyst: Zeyang Xie

Korea: +1

Korea has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.

On 4 January 2023, the Finance Ministry announced that they plan to utilize approximately KRW30 billion to offer discounts on major food products.¹⁵³⁰ This supports the government's goal of stabilizing the price of food products ahead of the Lunar New Year. The discounts ranged from 20 to 60 per cent in agricultural, fisheries and livestock products for three weeks prior to the Lunar New Year. Furthermore, the Korean government increased the supply of 16 high demand foods to aid in meeting the demands of the Korean population.

On 13 January 2023, Ambassador to Laos Yung Soo Jung announced the nation's rice donation to Laotian Minister of Labour and Social Welfare Baykham Khatthiya.¹⁵³¹ This donation was made to support the people of Laos in adjusting to the economic impacts of the Covid-19 pandemic and the fiscal challenges induced by the global food and fuel crisis. This marked the second year in a row where Korea has donated 1,314 tons of rice, worth approximately USD1.26 million, which went to benefit more than 100,000 Laotians.

On 17 March 2023, a combined effort between the Swedish International Development Cooperation Agency through the European Bank for Reconstruction and Development, and the Korean government through the Small Business Impact Fund, was announced, supporting Carvidon in developing new engineering solutions for its modern grain silos in Moldova.¹⁵³² The parties partook in efforts of growing food security in Moldova. Furthermore, by providing new technologies to store their grains, the company can prevent waste and improve the quality of its produce. Since the implementation, Carvidon reports having 50 per cent less grain and seed losses.

Korea has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally. Firstly, they have implemented discounts aiding in price surges. Furthermore, they have been involved in supporting the food security of countries such as Laos and Moldova, encouraging international food security.

Thus, Korea receives a score of +1.

Analyst: Artin Khiabani

¹⁵²⁹ Approval of plans to secure supplies based on the Act on Promotion of Economic Security regarding the stockpiling of fertilizer raw materials (Chubu Shiryō Co., Ltd., Hokuren Fertilizer Co., Ltd., Hyponex Japan Co., Ltd., Mitsubishi Corporation Agriservice Co., Ltd., and the National Federation of Agricultural Cooperative Associations), Ministry of Agriculture, Forestry and Fisheries (Tokyo) 28 July 2023. Translation provided by Google Translate. Access Date: 13 August 2023. <https://www.maff.go.jp/j/press/nousan/sizai/230728.html>

¹⁵³⁰ S. Korea to expand food supply, offer discounts ahead of holiday, The Korean Herald (Seoul) 4 January 2023. Access Date: 17 March 2023. https://www.koreaherald.com/view.php?ud=20230104000125&ACE_SEARCH=1

¹⁵³¹ Republic of Korea Contribution Helps Strengthen Food Security in Lao PDR, The United Nations World Food Programme (Vientiane) 13 January 2023. Access Date: 17 March 2023. <https://www.wfp.org/news/republic-korea-contribution-helps-strengthen-food-security-lao-pdr>

¹⁵³² EBRD and donors help Carvidon foster food security in Moldova, European Bank for Reconstruction and Development (London) 17 March 2023. Access Date: 17 March 2023. <https://www.ebrd.com/news/2023/ebrd-and-donors-help-carvidon-foster-food-security-in-moldova.html>

Mexico: +1

Mexico has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.

On 27 December 2022, the Ministry of Agriculture released their agricultural plan for 2023. The plan focuses on agricultural development in the countryside by investing in small to medium sized producers. Investments include providing fertilizers, increasing milk supply, guaranteeing certain prices, practicing sustainable agriculture and promoting food independence.¹⁵³³

On 30 December 2022, the Ministry of Agriculture published their fertilizer for well-being program. This program focuses on allocating fertilizer to producers of high-priority crops.¹⁵³⁴ This eases the expense and difficulty for the national production of important products.

On 13 February 2023, Mexico issued a memorandum with Canada to pledge standardization of organic produce between the countries.¹⁵³⁵ The measure is to protect small and medium sized producers, streamlining fruit and vegetable trade.

On 25 February 2023, the Ministry of Agriculture began providing free fertilizer for corn and rice producers. The service provided 7,736 tons of input across 10,404 farmers serving 19,122 hectares.¹⁵³⁶

On 3 March 2023, Mexico and Serbia agreed to strengthen agricultural cooperation in a global context. The agreement is to mutually benefit each country's food supply.¹⁵³⁷

On 9 March 2023, the Secretary of Agriculture met with leaders of the milk industry. This meeting sought to seek further national standardization, ethical production and consumerism.¹⁵³⁸

On 9 March 2023, Mexico met with the inter-American organization to discuss strategies in agriculture and food protection. They committed to an alliance for protecting agri-food production across the North American region. Protection especially applied to reducing pests, disease and other transnational issues.¹⁵³⁹

On 14 March 2023, Mexico held the 47th annual conference of food self-sufficiency. The conference primarily focused on implementing sustainable farming practices, and improving crop nutrients.¹⁵⁴⁰

¹⁵³³ Programas de la Secretaría de Agricultura y Desarrollo Rural 2023, Gobierno de México (Mexico City) 27 December 2022. Translation provided by Google Translate. Access Date: 17 March 2023. <https://www.gob.mx/agricultura/acciones-y-programas/programas-de-la-secretaria-de-agricultura-y-desarrollo-rural-2023>

¹⁵³⁴ Programa de Fertilizantes para el Bienestar 2023, Gobierno de México (Mexico City) 20 January 2023. Translation provided by Google Translate. Access Date: 17 March 2023. <https://www.gob.mx/agricultura/acciones-y-programas/programa-de-fertilizantes-para-el-bienestar-2023>

¹⁵³⁵ Agilizan México y Canadá Intercambio de Alimentos Orgánicos, Gobierno de México (Mexico City) 13 February 2023. Translation provided by Google Translate. Access Date: 28 April 2023. <https://www.gob.mx/senasica/articulos/fortalecen-mexico-y-canada-intercambio-de-alimentos-organicos>

¹⁵³⁶ Arranca Agricultura Entrega de Fertilizante Gratuito a Productores de Maíz y Arroz de Morelos, Gobierno de México (Mexico City) 3 March 2023. Translation provided by Google Translate. Access Date: 17 March 2023. <https://www.gob.mx/agricultura/prensa/arranca-agricultura-entrega-de-fertilizante-gratuito-a-productores-de-maiz-y-arroz-de-morelos?idiom=es>

¹⁵³⁷ Acuerdan México y Serbia Fortalecer Cooperación e Intercambio Agrícola ante Contexto Mundial, Gobierno de México (Mexico City) 3 March 2023. Translation provided by Google Translate. Access Date: 17 March 2023. <https://www.gob.mx/agricultura/prensa/acuerdan-mexico-y-serbia-fortalecer-cooperacion-e-intercambio-agricola-ante-contexto-mundial?idiom=es>

¹⁵³⁸ Trabajan Agricultura e industria de la Leche en Normalización, Investigación, Sustentabilidad y Fomento al Consumo, Gobierno de México (Mexico City) 9 March 2023. Translation provided by Google Translate. Access Date: 17 March 2023. <https://www.gob.mx/agricultura/prensa/trabajan-agricultura-e-industria-de-la-leche-en-normalizacion-investigacion-sustentabilidad-y-fomento-al-consumo?idiom=es>

¹⁵³⁹ Refrendan México y Organismo Interamericano Alianza para Proteger al Sector Agropecuario Nacional y del Continente Americano, Gobierno de México (Mexico City) 9 March 2023. Translation provided by Google Translate. Access Date: 17 March 2023. <https://www.gob.mx/agricultura/prensa/refrendan-mexico-y-organismo-interamericano-alianza-para-proteger-al-sector-agropecuario-nacional-y-del-continente-americano?idiom=es>

¹⁵⁴⁰ Viable, la Transición Agroecológica; Avanza Impulsada Por Gobiernos Federal y Estatales, Gobierno de México (Mexico City) 14 March 2023. Translation provided by Google Translate. Access Date: 17 March 2023. <https://www.gob.mx/agricultura/prensa/viable-la-transicion-agroecologica-avanza-impulsada-por-gobiernos-federal-y-estatales>

On 14 March 2023, Mexico announced a checklist for the safe importation of rice from Paraguay. The shipment of rice lowers the cost and increases the accessibility for Mexican consumers.¹⁵⁴¹

On 17 March 2023, the Director General of Agriculture Santiago Argüello Campos held an expo for fertilizer companies in Boca del Río. Campos recognized the dire global situation regarding fertilizer, and urged the fertilizer companies to further develop in Mexico. He claims that this will ensure more food security, sustainability and stability of prices.¹⁵⁴²

On 2 April 2023, Secretary of Agriculture and Rural Development Víctor Villalobos Arámbula announced that Mexico ratified its pledge to work with the Food and Agriculture Organization of the United Nations, promoting a new food security platform.¹⁵⁴³

On 1 May 2023, Mexico reached an agreement with Argentina to promote the commercial exchange of healthy and safe food, with emphasis on basic basket products.¹⁵⁴⁴

On 6 May 2023, Mexico issued a call for white corn farmers in Sinaloa to participate in the government purchase program.¹⁵⁴⁵ The purchase program pays farmers for their corn to ensure food availability in local markets and promote self-sufficient production.

On 20 July 2023, the government announced Mexican Food Security's program to purchase white corn from Sinaloa. The government has acquired 685,082 tonnes of white corn, with plans to purchase another 500,000 tonnes in the future.¹⁵⁴⁶ This initiative addresses food security and pricing as all purchased corn will be sold at a set price in stores operated by the Rural Supply Program in Mexico.

Mexico has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally. Not only does Mexico strengthen domestic food and fertilizer security with government assistance but it also uses international agreements to advance them on a global scale.

Thus, Mexico receives a score of +1.

Analyst: Emerson Hachinski

Russia: 0

Russia has partially complied with taking further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.

¹⁵⁴¹ Pública Agricultura Hoja de Requisitos para Importación Segura de Arroz de Paraguay, Gobierno de México (Mexico City) 14 March 2023. Translation provided by Google Translate. Access Date: 17 March 2023.

<https://www.gob.mx/agricultura/prensa/publica-agricultura-hoja-de-requisitos-para-importacion-segura-de-arroz-de-paraguay>

¹⁵⁴² Concluye con éxito Expo Fertilizantes 2023 en Boca del Río, Veracruz, Gobierno de México (Boca del Río) 17 March 2023. Translation provided by Google Translate. Access Date: 17 March 2023. <https://www.gob.mx/agricultura/prensa/concluye-con-exito-expo-fertilizantes-2023-en-boca-del-rio-veracruz>

¹⁵⁴³ Participará México en Nueva Plataforma de la FAO Sobre Seguridad Alimentaria en América Latina y el Caribe, Gobierno de México (Mexico City) 2 April 2023. Translation provided by Google Translate. Access Date: 28 April 2023. <https://www.gob.mx/agricultura/prensa/participa-mexico-en-nueva-plataforma-de-la-fao-sobre-seguridad-alimentaria-en-america-latina-y-el-caribe?idiom=es>

¹⁵⁴⁴ Impulsan México y Argentina Intercambio Comercial de Alimentos Sanos y Seguros, Gobierno de México (Mexico City) 1 May 2023. Translation provided by Google Translate. Access Date: 11 June 2023. <https://www.gob.mx/agricultura/prensa/impulsan-mexico-y-argentina-intercambio-comercial-de-alimentos-sanos-y-seguros?idiom=es>

¹⁵⁴⁵ Publica SEGALMEX convocatoria para comprar maíz blanco a pequeños productores de Sinaloa, Gobierno de México (Mexico City) 1 May 2023. Translation provided by Google Translate. Access Date: 11 June 2023. <https://www.gob.mx/segalmex/articulos/publica-segalmex-convocatoria-para-comprar-maiz-blanco-a-pequenos-productores-de-sinaloa?idiom=es>

¹⁵⁴⁶ SEGALMEX Avanza en el Programa Especial de Adquisición de Maíz Blanco en el Estado de Sinaloa, Gobierno de México (Mexico City) 20 July 2023. Translation provided by Google Translate. Access Date: 13 August 2023. <https://www.gob.mx/segalmex/articulos/segalmex-avanza-en-el-programa-especial-de-adquisicion-de-maiz-blanco-en-el-estado-de-sinaloa?idiom=es>

On 18 November 2022, the Government increased subsidisation for potato and other vegetable producers in the Kaliningrad and Far East regions.¹⁵⁴⁷ The subsidies vary based on the volume of products produced and aim to help fund agrotechnological work.

On 24 November 2022, Prime Minister Mikhail Mishustin allocated an additional RUB899 million to 22 Russian regions in need of agricultural funds.¹⁵⁴⁸ It aims to reduce domestic food insecurity by ensuring farmers do not lack the agricultural tools they need.

On 26 November 2022, the Government allocated RUB12.6 billion to assist Russian agricultural producers by increasing their working capital, restructuring their loans, and reducing investment risks.¹⁵⁴⁹ It aims to increase agricultural exports by reducing supply-chain failures.

On 26 November 2022, Prime Minister Mishustin increased the Russian export quota on nitrogen fertilisers by 750,000 tons.¹⁵⁵⁰ The expanded export quota is meant to bolster domestic fertiliser producers who have surplus supply to export into foreign markets, while increasing international supply of fertiliser.

On 30 November 2022, Prime Minister Mishustin allocated RUB7.7 billion to compensate regions in their modernisation of their respective agro-industrial complexes.¹⁵⁵¹ These funds will be distributed to 152 different investment projects in 43 regions. It aims to allow farmers to increase domestic production and thereby lower the cost of domestic foodstuffs.

On 1 December 2022, Prime Minister Mishustin introduced new grants and subsidies totaling RUB600 million in relation to the cost of raising cattle and subsequent production.¹⁵⁵² The grants and subsidies aim to strengthen family farms and agricultural cooperatives.

On 7 December 2022, the Government approved an increase of subsidies and additional support for farmers against crop failures faced in 2022.¹⁵⁵³ The subsidies aim to enable “agrotechnical works, increase fertility and soil quality” and support the purchase of better seeds.

On 8 December 2022, the Government allocated RUB1.4 billion to establish agro-industrial enterprises in the Volgograd, Kaliningrad, and Smolensk regions.¹⁵⁵⁴ The funds aim to reliably improve Russia’s domestic food security by building agricultural processing and production infrastructure.

¹⁵⁴⁷ Правительство расширит поддержку производителей овощей в Калининградской области и на Дальнем Востоке, Министерство промышленности и торговли Российской Федерации (Moscow) 21 November 2022. Translation provided by Google Translate. Access Date: 2 June 2023. <http://government.ru/news/47089/>

¹⁵⁴⁸ Правительство направит почти 900 млн рублей на поддержку аграриев в регионах, Министерство промышленности и торговли Российской Федерации (Moscow) 25 November 2022. Translation provided by Google Translate. Access Date: 14 March 2023. <http://government.ru/news/47137/>

¹⁵⁴⁹ Правительство поддержит сельхозпроизводителей, участвующих в экспортных программах, Министерство промышленности и торговли Российской Федерации (Moscow) 1 December 2022. Translation provided by Google Translate. Access Date: 14 March 2023. <http://government.ru/news/47188/>

¹⁵⁵⁰ Правительство увеличило квоту на экспорт азотных удобрений, Министерство промышленности и торговли Российской Федерации (Moscow) 28 November 2022. Translation provided by Google Translate. Access Date: 14 March 2023. <http://government.ru/news/47160/>

¹⁵⁵¹ Правительство направит 7,7 млрд рублей на компенсацию затрат на создание и модернизацию сельскохозяйственных предприятий в регионах, Министерство промышленности и торговли Российской Федерации (Moscow) 30 November 2022. Translation provided by Google Translate. Access Date: 14 March 2023. <http://government.ru/news/47179/>

¹⁵⁵² Правительство расширило поддержку сельхозпроизводителей, увеличив число получателей грантов и субсидий, Министерство сельского хозяйства Российской Федерации (Moscow) 3 December 2022. Translation provided by Google Translate. Access Date: 2 June 2023. <http://government.ru/news/47224/>

¹⁵⁵³ Правительство утвердило постановление о дополнительной поддержке аграриев, застраховавших посевы, Министерство промышленности и торговли Российской Федерации (Moscow) 8 December 2022. Translation provided by Google Translate. Access Date: 2 June 2023. <http://government.ru/news/47262/>

¹⁵⁵⁴ Правительство профинансирует создание агропромышленных предприятий в трёх регионах, Министерство промышленности и торговли Российской Федерации (Moscow) 12 December 2022. Translation provided by Google Translate. Access Date: 14 March 2023. <http://government.ru/news/47301/>

On 13 December 2022, the Government allocated RUB5 billion to Rosselkhozbank for domestic farmers to access preferential loans, being one of the main creditors for Russia's agricultural industry.¹⁵⁵⁵ These funds are meant to allow the bank to increase the number of loans and thereby maintain pace for the agricultural industry's technological modernisation and production, thereby increasing Russia's food security.

On 17 December 2022, the Government allocated RUB10 billion to Rosagroleasing for domestic agricultural producers to access preferential loans, being one of the main creditors for Russia's agricultural equipment suppliers.¹⁵⁵⁶ These funds aim to allow agricultural producers to receive 1,700 units of agricultural machinery for the agricultural industry's technological modernisation and production, thereby increasing Russia's food security.

On 20 December 2022, the Government extended export quotas for mineral fertilisers from Russia of over 11.8 million tons to various exporters, with exception to the regions of Abkhazia and South Ossetia.¹⁵⁵⁷ It aims to "maintain sufficient volumes" of fertilisers in the domestic Russian market, totaling nearly 11.8 million tons.¹⁵⁵⁸

On 8 February 2023, the Ministry of Agriculture announced a quota for grain exports of 25.5 million tons.¹⁵⁵⁹ The quota aims to ensure domestic food security by using the grain quota to form grain reserves.¹⁵⁶⁰

On 9 February 2023, Prime Minister Mishustin, increased the size of the Agro Startup grant for small agricultural producers.¹⁵⁶¹ For instance, the size of the grant for grain producers will increase from RUB3 million to RUB5 million.

On 27 February 2023, Prime Minister Mishustin allocated an additional RUB2 billion to subsidies the rail transportation of agricultural products domestically.¹⁵⁶² These subsidies are meant to "establish new food supply chains" so that an additional 1 million tons of domestic foodstuffs and mineral fertilisers will reach domestic markets.

On 6 March 2023, the Government donated 20,000 tons of fertiliser to Malawi, pledging a total of 260,000 tons to the African continent.¹⁵⁶³ It aims to garner diplomatic support and achieve agricultural sustainability on the African continent.

¹⁵⁵⁵ Правительство дополнительно направит 5 млрд рублей на кредитование агросектора, Министерство промышленности и торговли Российской Федерации (Moscow) 13 December 2022. Translation provided by Google Translate. Access Date: 14 March 2023. <http://government.ru/news/47315/>

¹⁵⁵⁶ Правительство дополнительно направит 10 млрд рублей на поддержку льготного лизинга для аграриев, Министерство промышленности и торговли Российской Федерации (Moscow) 17 December 2022. Translation provided by Google Translate. Access Date: 14 March 2023. <http://government.ru/news/47357/>

¹⁵⁵⁷ Правительство установило квоты на вывоз минеральных удобрений на первые пять месяцев 2023 года, Министерство промышленности и торговли Российской Федерации (Moscow) 20 December 2022. Translation provided by Google Translate. Access Date: 5 March 2023. <http://government.ru/docs/47384/>

¹⁵⁵⁸ Russia Extends and Tightens Fertilizer Export Quotas Through May 2023, Gro Intelligence (New York) 23 December 2022. Access Date: 5 March 2023. <https://gro-intelligence.com/insights/russia-extends-and-tightens-fertilizer-export-quotas-through-may-2023>

¹⁵⁵⁹ Минсельхоз распределил квоту на экспорт зерна из РФ между 203 компаниями, Интерфаксе (Moscow) 8 February 2023. Translation provided by Google Translate. Access Date: 5 March 2023. <https://www.interfax.ru/business/885161>

¹⁵⁶⁰ RF Ministry of Agriculture not to revise grain export quota this season, PortNews (St. Petersburg) 2 March 2023. Access Date: 5 March 2023. <https://en.portnews.ru/news/343700/>

¹⁵⁶¹ Правительство увеличило размеры гранта «Агростартап» и субсидии для сельхозкооперативов, Общие вопросы агропромышленного комплекса Федерации (Moscow) 16 February 2023. Translation provided by Google Translate. Access Date: 14 March 2023. <http://government.ru/news/47807/>

¹⁵⁶² Правительство выделило 2 млрд рублей на субсидирование перевозок сельхозпродукции по железной дороге, Министерство промышленности и торговли Российской Федерации (Moscow) 27 February 2023. Translation provided by Google Translate. Access Date: 14 March 2023. <http://government.ru/news/47867/>

¹⁵⁶³ Russia gives fertilizer to Malawi, seeks African support, AP News (Lilongwe) 6 March 2023. Access Date: 7 March 2023. <https://apnews.com/article/russia-africa-malawi-fertilizer-73f9db1b942633f4625a06b04a64b804>

On 14 March 2023, Prime Minister Mishustin promised to reimburse 50 per cent of the costs associated with creating or modernizing breeding and seed centres in the Far Eastern Federal District.¹⁵⁶⁴ This aims “reduce payback periods and increase the investment attractiveness” of seed projects. This action thus addresses food shortages and implements a long-term framework for grain development.

On 18 March 2023, the Russian government extended the Ukrainian Black Sea grain deal by 60 days, allowing Ukraine to continue shipping grain through Black Sea ports to foreign nations until May 18.¹⁵⁶⁵ It aims to “combat [the] global food crisis” as a result of the invasion of Ukraine and Russian blockade of the Black Sea.¹⁵⁶⁶ However, a continued extension past May 18 is conditional upon alleged exemptions of sanctions and restrictions upon the Russian agricultural sector. This action thereby addresses food shortages by coordinating grain shipments amidst conflict but is restricted by its limited timeframe by making the deal conditional.

On 27 March 2023, Prime Minister Mishustin increased the quota for exports of mineral fertilisers by 300,000 tons, exceeding 12.6 million tons.¹⁵⁶⁷ It aims to allow fertilizer producers to meet domestic fertilizer demands and export excess products.

On 3 April 2023, Prime Minister Mishustin retroactively expanded the period of compensation for the production and sale of grain crops.¹⁵⁶⁸ Grain producers will now be able to receive compensation for costs incurred in 2022. It aims to maintain stability in domestic grain availability.

On 27 April 2023, Prime Minister Mishustin allocated RUB2 billion to the development and re-equipment of “federal scientific institutions” and modernization of 11 research institutions.¹⁵⁶⁹ It aims to enable the improvement of domestic vaccines and seed production pipelines, to ensure future food security in accordance with the 2022 Russian Food Security Doctrine. This action thus addresses food insecurity by pre-empting future issues through research and development but is once again limited by its domestic scope.

On 2 May 2023, Prime Minister Mishustin allocated a further RUB2 billion to subsidise the rail transportation of agricultural products domestically.¹⁵⁷⁰ These subsidies continue to reduce transportation costs of grains, oilseeds, vegetables and fish products, and mineral fertilisers. It aims to ensure a “wide range of quality products” for Russian regions.

On 5 May 2023, the Ministry of Agriculture agreed to deliver urea and mutate potash fertiliser to Sri Lanka for “agricultural activities.”¹⁵⁷¹ It aims to ensure delivery to farmers before the next Maha season.

¹⁵⁶⁴ Правительство расширило поддержку агробизнеса на Дальнем Востоке, Министерство Российской Федерации по развитию Дальнего Востока и Арктики (Moscow) 10 May 2023. Translation provided by Google Translate. Access Date: 2 June 2023. <http://government.ru/news/47986/>

¹⁵⁶⁵ Russia extends grain deal for 60 days, wants to see progress on concerns, Reuters (London) 18 March 2023. Access Date: 8 April 2023. <https://www.reuters.com/markets/commodities/russia-extends-grain-deal-60-days-wants-see-progress-concerns-2023-03-18/>

¹⁵⁶⁶ Ukraine Black Sea grain deal extended for at least 60 days, CNBC (Englewood Cliffs) 19 March 2023. Access Date: 8 April 2023. <https://www.cnbc.com/2023/03/19/ukraine-black-sea-grain-deal-extended-for-at-least-60-days.html>

¹⁵⁶⁷ Правительство увеличило объёмы квот на экспорт минеральных удобрений, Министерство промышленности и торговли Российской Федерации (Moscow) 27 March 2023. Translation provided by Google Translate. Access Date: 2 June 2023. <http://government.ru/news/48087/>

¹⁵⁶⁸ Правительство расширило период выплат для возмещения части расходов на производство и реализацию зерновых культур, Министерство сельского хозяйства Российской Федерации (Moscow) 3 April 2023. Translation provided by Google Translate. Access Date: 2 June 2023. <http://government.ru/news/48145/>

¹⁵⁶⁹ Правительство направит 2 млрд рублей на модернизацию сельскохозяйственных научных учреждений, Министерство сельского хозяйства Российской Федерации (Moscow) 27 April 2023. Translation provided by Google Translate. Access Date: 27 April 2023. <http://government.ru/docs/48360/>

¹⁵⁷⁰ Правительство выделило ещё 2 млрд рублей на субсидирование перевозок сельхозпродукции по железной дороге, Министерство сельского хозяйства Российской Федерации (Moscow) 2 May 2023. Translation provided by Google Translate. Access Date: 10 May 2023. <http://government.ru/news/48394/>

¹⁵⁷¹ Russia agrees to support Sri Lanka to procure urea and MOP fertilizer, ColomboPage (Indianapolis) 5 May 2023. Access Date: 10 May 2023. http://www.colombopage.com/archive_23A/May05_1683300870CH.php

On 6 May 2023, Prime Minister Mishustin expanded concessional lending of up to 15 years at rates less than 5 per cent to include producers of milk mixtures and therapeutic nutrition.¹⁵⁷² It aims to modernise and re-equip institutions to “provide [children with orphan diseases, as well as adult patients with serious diseases] with high-quality domestic products.” This action thereby addresses specific food insecurities and implements a long-term development framework.

On 12 May 2023, Prime Minister Mishustin allocated RUB10 billion to 65 regions throughout Russia for the “financial support” of grain farmers.¹⁵⁷³ It aims to subsidise local agricultural producers for up to 50 per cent of the “production and sale of wheat, rye, barley and corn.” This action addresses food insecurity but is limited by its domestic scope.

On 17 May 2023, the Government extended the Ukrainian Black Sea grain deal by 2 months, allowing Ukraine to continue shipping grain through Black Sea ports to foreign nations until July.¹⁵⁷⁴ It aims to continue tackling the “global food crisis” because of the Russian blockade of the Black Sea. A continued extension is conditional upon alleviation of alleged Western sanctions of Russian agricultural exports.¹⁵⁷⁵ This action thereby addresses food shortages by coordinating grain shipments amidst conflict but is restricted by its limited timeframe by making the deal conditional.

On 29 May 2023, the Government extended the quotas for exports of mineral fertilisers from 1 June to 30 November 2023, exceeding a total export quota of 16.3 million tons.¹⁵⁷⁶ This extension aims to continue allowing producers to export excess and unclaimed products.

On 30 May 2023, Foreign Minister Sergey Lavrov delivered 34,000 tons of fertiliser to Kenya.¹⁵⁷⁷ This aims to alleviate fertiliser shortages and “overcome the openly Russophobic position of EU members.”

On 1 June 2023, state-owned Russian corporation Podintorg signed a deal with the Bangladesh Agricultural Development Corporation to export 180,000 tons of mutata potash fertiliser to Bangladesh during the 2023-24 fiscal year.¹⁵⁷⁸ This aims to alleviate food insecurities in Bangladesh.

On 3 June 2023, Prime Minister Mishustin approved the federal extraction of 47 aquatic bioresource species to “strengthen control over foreign investments.”¹⁵⁷⁹ Species include cod, mackerel, scallop, and other aquatic species in the Northern, West Siberian and Far Eastern fishery basins. This aims to reduce foreign control over “a strategically significant branch of the Russian economy” and promote domestic food security.

¹⁵⁷² Правительство расширило параметры льготного кредитования производителей молочных смесей и лечебного питания, Министерство сельского хозяйства Российской Федерации (Moscow) 11 May 2023. Translation provided by Google Translate. Access Date: 3 June 2023. <http://government.ru/news/48446/>

¹⁵⁷³ Правительство направит 10 млрд рублей на поддержку производителей зерна, Министерство сельского хозяйства Российской Федерации (Moscow) 12 May 2023. Translation provided by Google Translate. Access Date: 2 June 2023. <http://government.ru/news/48450/>

¹⁵⁷⁴ Ukraine Black Sea grain deal extended for two more months, Reuters (London) 17 May 2023. Access Date: 30 May 2023. <https://www.reuters.com/world/europe/last-ship-leave-ukraine-fate-black-sea-grain-deal-russias-hands-2023-05-17/>

¹⁵⁷⁵ The Ukraine grain deal is extended 2 months, helping ease the global food crisis, NPR (Washington D.C.) 17 May 2023. Access Date: 30 May 2023. <https://www.npr.org/2023/05/17/1176686447/ukraine-grain-deal-extended-russia-turkey-united-nations>

¹⁵⁷⁶ Правительство установило квоты на вывоз минеральных удобрений в июне – ноябре 2023 года, Министерство сельского хозяйства Российской Федерации (Moscow) 29 May 2023. Translation provided by Google Translate. Access Date: 30 May 2023. <http://government.ru/news/48590/>

¹⁵⁷⁷ Russia to send fertilizers to Nigeria for free — Lavrov, TASS (Moscow) 30 May 2023. Access Date: 30 May 2023. <https://tass.com/politics/1625355>

¹⁵⁷⁸ Bangladesh to import 180000 tons of fertilizer from Russia, কালের কণ্ঠ (Dhaka) 5 June 2023. Access Date: 6 June 2023. <https://www.kalerkantho.com/english/online/national/2023/06/05/53648>

¹⁵⁷⁹ Правительство определило перечень видов водных биоресурсов для контроля за иностранными инвестициями в сфере рыболовства, Министерство сельского хозяйства Российской Федерации (Moscow) 5 June 2023. Translation provided by Google Translate. Access Date: 6 June 2023. <http://government.ru/news/48656/>

On 7 June 2023, Ministry of Foreign Affairs Press Secretary Maria Zakharova announced the delivery of 34,000 tons of fertiliser to Nigeria.¹⁵⁸⁰ This aims to foster relations and counter the “hypocritical and deceitful Western statements about global food security.”

On 10 June 2023, Prime Minister Mishustin introduced a seed subsidy of RUB1.8 billion that will reduce the cost of new farming nurseries by 20 per cent.¹⁵⁸¹ This aims to reduce foreign dependence on agricultural planting supplies.

On 10 June 2023, Prime Minister Mishustin allocated RUB668 million to reimburse agricultural producers for land reclamation projects.¹⁵⁸² Reimbursements cover the reconstruction of irrigation and drainage systems. This aims to reclaim over 13 million hectares of agricultural land.

On 20 June 2023, Prime Minister Mishustin budgeted RUB1.5 billion to create agrobiotechnoparks.¹⁵⁸³ Agrobiotechnoparks will conduct scientific research to introduce modern technology to the agro-industrial complex and increase agricultural production. It aims to increase domestic goods and ensure the “supply of high-quality and affordable food products to the domestic market”.

On 28 June 2023, Prime Minister Mishustin allocated RUB1.5 billion to complete a Moscow poultry breeding complex.¹⁵⁸⁴ This aims to reduce the foreign dependence on poultry breeding materials and improve domestic food security.

On 4 July 2023, Prime Minister Mishustin approved the Strategy for the Development of Organic Production until 2030 order.¹⁵⁸⁵ This framework aims to increase organic agricultural exports and introduce new agrotechnologies. It will also introduce organic product certifications with Middle Eastern and Asian nations, with a focus on China, to increase Russian foreign trade. This framework ensures long-term international food security by reducing domestic and foreign dependence on fertilisers.

On 6 July 2023, Prime Minister Mishustin allocated RUB500 million to develop the federal competence center at the Timiryazev Russian State Agrarian University.¹⁵⁸⁶ Funds will re-train agricultural specialists and equip new laboratories for agricultural research. This action will ensure long-term agricultural research and domestic food security.

On 17 July 2023, Russia suspended the Black Sea Grain Initiative, suggesting that it would only consider restarting the agreement should its own demands regarding improved exports of grain and fertilizer be met.¹⁵⁸⁷ This move is antithetical to its commitment to ensure worldwide food security.

¹⁵⁸⁰ Russia getting ready to send Nigeria huge shipment of fertilizer free of charge — MFA, TASS (Moscow) 7 June 2023. Access Date: 7 June 2023. <https://tass.com/politics/1629087>

¹⁵⁸¹ Правительство утвердило постановление о поддержке садоводов, использующих отечественные саженцы, Министерство сельского хозяйства Российской Федерации (Moscow) 26 June 2023. Translation provided by Google Translate. Access Date: 21 July 2023. <http://government.ru/news/48859/>

¹⁵⁸² Правительство направит регионам более 668 млн рублей на мелиорацию сельскохозяйственных земель, Министерство сельского хозяйства Российской Федерации (Moscow) 14 June 2023. Translation provided by Google Translate. Access Date: 21 July 2023. <http://government.ru/news/48743/>

¹⁵⁸³ Правительство предоставит гранты на создание и развитие агропромышленных технопарков, Общие вопросы агропромышленного комплекса (Moscow) 3 July 2023. Translation provided by Google Translate. Access Date: 21 July 2023. <http://government.ru/news/48919/>

¹⁵⁸⁴ Правительство направит финансирование на завершение строительства птицеводческого комплекса в Подмоскowie, Министерство сельского хозяйства Российской Федерации (Moscow) 30 June 2023. Translation provided by Google Translate. Access Date: 19 July 2023. <http://government.ru/news/48898/>

¹⁵⁸⁵ Правительство утвердило Стратегию развития производства органической продукции до 2030 года, Министерство сельского хозяйства Российской Федерации (Moscow) 17 July 2023. Translation provided by Google Translate. Access Date: 21 July 2023. <http://government.ru/news/49054/>

¹⁵⁸⁶ Правительство направит полмиллиарда рублей на развитие центра компетенций при Тимирязевской академии, Министерство сельского хозяйства Российской Федерации (Moscow) 7 July 2023. Translation provided by Google Translate. Access Date: 21 July 2023. <http://government.ru/news/48963/>

¹⁵⁸⁷ Black Sea grain deal expires after Russia quits, Reuters (Moscow) 17 July 2023. Access Date: 6 September 2023. <https://www.reuters.com/world/europe/black-sea-grain-deal-expire-monday-if-russia-quits-2023-07-17/>

On 27 July 2023, President Vladimir Putin promised free shipment of 25,000-50,000 tonnes of grain to Burkina Faso, Zimbabwe, Mali, Somalia, the Central African Republic and Eritrea at the second Russia-Africa summit.¹⁵⁸⁸ This aims to relieve international food insecurities through humanitarian aid.

Russia has partially complied with taking further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally. Russia has taken large strides in ensuring domestic food security, by ensuring agro-industrial complexes get preferential loans and transportation quotes. Russia has also promoted the development of more efficient, technological, and economically sustainable agro-industrial farming complexes. However, it has taken action antithetical to the commitment by withdrawing from the Black Sea Grain Initiative, a key agreement for ensuring global food security.

Thus, Russia receives a score of 0.

Analyst: William Wang

Saudi Arabia: +1

Saudi Arabia has fully complied with the commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.

On 21 November 2022, the Saudi Ministry of Environment, Water, and Agriculture addressed the country's food production methods that aim to increase per capita consumption from 9 to 13 kilograms every year.¹⁵⁸⁹ The initiative aims to increase marine fisheries and productivity serves as a measure of improving food and nutrition security within the country. Further, the Ministry explained its plans to export Saudi fish commodities to more than 35 countries around the world.

On 1 December 2022, Mowreq and YesHealth Group signed an agreement to build Saudi Arabia's largest indoor vertical farm.¹⁵⁹⁰ This will reportedly be the largest indoor vertical farm in Saudi Arabia as well as the tallest in the Middle East. The farm aims to produce about 2000 kilograms of fresh vegetables in Riyadh and should be fully operative by the fourth quarter of 2023.

On 22 January 2023, the Ministry of Investment signed a USD1 billion contract with UPL Limited, an Indian company that produces agrochemicals and provides crop protection solutions.¹⁵⁹¹ The investment is directed at increasing the production capacity of the agricultural sector in Saudi Arabia using new technologies.

On 1 February 2023, Saudi Arabia's Public Investment Fund signed a deal to build "indoor vertical farms" with American company, AeroFarms, around the country.¹⁵⁹² This is aimed at increasing food security, as indoor farming can provide free produce regardless of weather conditions and seasonal changes. The annual production of the first indoor vertical farm is estimated at around 1.1 million kilograms of crops.

¹⁵⁸⁸ Russia-Africa summit: Putin promises free grain shipments to six countries, Le Monde (Moscow) 28 July 2023. Access Date: 13 August 2023. https://www.lemonde.fr/en/le-monde-africa/article/2023/07/28/russia-africa-summit-putin-promises-free-grain-shipments-to-six-countries_6069820_124.html

¹⁵⁸⁹ Saudi Arabia Registers Increase in Fish Production Self-Sufficiency, Asharq Al-Awast (Riyadh) 22 November 2022. Access Date: 18 March 2023. <https://english.aawsat.com/home/article/4001581/saudi-arabia-registers-increase-fish-production-self-sufficiency>

¹⁵⁹⁰ Mowreq and YesHealth Group sign deal to build Saudi Arabia's largest indoor vertical farm, NewsDirect (Riyadh) 1 December 2022. Access Date: 11 June 2023. <https://newsdirect.com/news/mowreq-and-yeshealth-group-sign-deal-to-build-saudi-arabias-largest-indoor-vertical-farm-738995086>

¹⁵⁹¹ Saudi Arabia signs \$1bn deal with Indian firm to produce specialized agricultural chemicals, Arab News (Riyadh) 22 January 2023. Access Date: 11 June 2023. <https://www.arabnews.com/node/2236796/business-economy>

¹⁵⁹² Saudi Arabia's PIF signs deal with AeroFarms to establish 'indoor vertical farms', Al Arabiya News (Riyadh) 1 February 2023. Access Date: 28 April 2023. <https://english.alarabiya.net/News/saudi-arabia/2023/02/01/Saudi-Arabia-s-PIF-signs-deal-with-Aerofarms-to-establish-indoor-vertical-farms->

On 18 February 2023, Saudi Arabia's Tanmah Food Company, a national company operating in the sector of fresh and frozen poultry, announced its plan to develop a poultry food security and sustainability.¹⁵⁹³ They are planning to invest SR2.5 billion by 2023 to cover 80% of the country's poultry commodities by 2025.

On 25 February 2023, the Saudi Authority for Industrial Cities and Technology Zones (MODON) signed agreements advancing understanding of localizing food and beverage industries within Saudi Arabia.¹⁵⁹⁴ They have also committed new investments to achieve food security in Saudi Arabia, investment between SR1 billion and SR69 million.

On 4 March 2023, Saudi Arabia signed a Memorandum of Understanding with Mozambique to improve agriculture and rural development.¹⁵⁹⁵ This scheme will function through increased data and expertise exchanges between the two countries through conferences and workshops alongside a joint task force to create programs which increase the level of cooperation.

On 12 March 2023, the Bühler Group established a commitment to support Saudi Arabia's national food security, specifically providing "unique and innovative solutions" aimed towards achieving the country's national goals, Saudi Vision, by 2030.¹⁵⁹⁶ This includes the expansion of projects to date cover for staple food products and extending to the feeding industries.

On 13 March 2023, the King Salman Humanitarian Aid and Relief Centre hosted a dialogue session at Prince Sultan University in Riyadh to discuss the role of the youth in tackling food insecurity within the Middle East and North African regions.¹⁵⁹⁷ The session was generally focused on understanding the impact of food insecurity within the Middle East and the effect on future generations.

On 29 March 2023, a cooperation agreement aimed at indoor farming between Plantlab and Saudi Greenhouse, was signed between the Ministry of Energy, Water, and Agriculture, the Deputy Minister for Agricultural Affairs, and the Managing Director of Food and Agriculture.¹⁵⁹⁸ This strategic partnership is aimed at securing food stability within the country as it "contribute[s] to improving the environment, the trade balance, the creation of new jobs, and the diversification of the Saudi economy" according to Bunyadi, the director of Plantlab Middle East.

On 31 May 2023, Saudi Arabia developed a pact to buy shares of Brazil's largest poultry producer, BRF SA. Salic, a state owned Agricultural and livestock investment company in Saudi Arabia, and Marfrig Global Foods SA, a South American firm signed a contract agreeing to purchase up to SR3.56 billion in new BRF shares.¹⁵⁹⁹ This will also allow Salic to hold a 10 to 15 per cent stake in the company, pushing for global food security.

On 1 June 2023, the Ministry of Environment, Water and Agriculture, the International Crops Research Institute for the Semi-Arid Tropics and the UN Food and Agricultural Organization announced a

¹⁵⁹³ Saudi Arabia Registers Increase in Fish Production Self-Sufficiency, Asharq Al-Awast (Riyadh) 22 November 2022. Access Date: 18 March 2023. <https://english.aawsat.com/home/article/4001581/saudi-arabia-registers-increase-fish-production-self-sufficiency>

¹⁵⁹⁴ Modon attracts new investments to achieve food security in Saudi Arabia, Saudi Gazette (Riyadh) 25 February 2023. Access date: 18 March 2023. <https://saudigazette.com.sa/article/630144/BUSINESS/Modon-attracts-new-investments-up-to-one-billion-riyals-to-achieve-food-security-in-Saudi-Arabia>

¹⁵⁹⁵ Saudi Arabia, Mozambique sign deal enhance agriculture, rural development cooperation, Arab News (Riyadh) 4 March 2023. Access Date: 11 June 2023. <https://www.arabnews.com/node/2262356/saudi-arabia>

¹⁵⁹⁶ Bühler committed to Saudi Arabia's national food security goals, Arab News (Riyadh) 12 March 2023. Access date: 18 March 2023. <https://www.arabnews.com/node/2266831/corporate-news>

¹⁵⁹⁷ Saudi, UN aid officials discuss youth role in tackling MENA region food insecurity, Arab News (Riyadh) 13 March 2023. Access date: 18 March 2023. <https://www.arabnews.com/node/2267881/saudi-arabia>

¹⁵⁹⁸ Plantlab and Saudi Greenhouses open indoor farms in MENA, Hortibiz Daily (Riyadh) 30 March 2023. Access date: 28 April 2023. <https://www.hortibiz.com/newsitem/news/partnership/plantlab-and-saudi-greenhouses-open-indoor-farms-throughout-mena/>

¹⁵⁹⁹ Saudi Arabia amps up global food-security push with Brazil poultry deal, Al Arabiya News (Riyadh) 31 May 2023. Access Date: 11 June 2023. <https://english.alarabiya.net/News/saudi-arabia/2023/05/31/Saudi-Arabia-amps-up-global-food-security-push-with-Brazil-poultry-deal>

partnership to increase the productivity of sorghum, pearl millets and sesame crops in Saudi Arabia.¹⁶⁰⁰ The initiative aims to increase crop production by 20 per cent in Mecca, Jazan, Aseer, and Al-Baha whilst also establishing five community seed banks to maintain crop diversity. Additionally, a mobile crop-advisory application called Plantix will be translated in Arabic to provide guidance to farmers on pest and disease control.

On 11 June 2023, the 10th Arab-China Business Conference was hosted in Riyadh, themed around “Collaborating for Prosperity”.¹⁶⁰¹ During the conference, Saudi Arabia and China discussed increased cross-border trade of food commodities and signed 30 investment agreements worth approximately USD10 Billion.

On 20 July 2023, the PIF established the Sawani Company, aimed at facilitating the growth of Saudi’s camel farming industry and enabling sustainable development. In collaborating with the private sector, the government aims to enable modernizing operations required to improve domestic production within the food and agriculture sector.¹⁶⁰²

On 11 August 2023, the Agricultural Development Fund of Saudi Arabia signed a Memorandum of Understanding with the Sustainable Agricultural Rural Development Program (Reef). The Memorandum is aimed at increasing the efficiency and productivity of farmers and providing improved productive capabilities through training programs.¹⁶⁰³

Saudi Arabia has fully complied with the commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally. Saudi Arabia has taken appropriate initiatives and commitments to investments in the development of food security, accordingly, including towards marine fishery.

Thus, Saudi Arabia receives a score of +1.

Analyst: Ridhima Sinha

South Africa: 0

South Africa has partially complied with taking further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.

On 29 December 2022, Minister of Agriculture, Land Reform and Rural Development Angela Thokozile Didiza distributed ZAR42.2 million worth of fertilisers to sugarcane farmers in Mpumalanga who are struggling to purchase fertiliser due to the Russo-Ukrainian war.¹⁶⁰⁴ This aims to continue small-scale sugarcane production by ensuring small-scale farmers are given the fertilisers needed. This action addresses South Africa’s short-term domestic production of sugarcane and thus enhances its food security.

On 22 February 2023, Minister of Finance Enoch Godongwana announced an extension of the refund on the Road Accident Fund levy for diesel used in the food manufacturing process to reduce the im[act] that

¹⁶⁰⁰ New ICRISAT-FAO Partnership to Support Saudi Arabia’s Quest for Boosting Cereal Production, United Nations Saudi Arabia (Riyadh) 2 June 2023. Access Date: 18 June 2023. <https://saudiarabia.un.org/en/235010-new-icrisat-fao-partnership-support-saudi-arabias-quest-boosting-cereal-production>

¹⁶⁰¹ IsDB Chief Advocates Economic Cooperation and Food Security at 10th Arab-China Business Conference, Islamic Development Bank (Riyadh) 11 June 2023. Access date: 13 August 2023. <https://www.isdb.org/news/isdb-chief-advocates-economic-cooperation-and-food-security-at-10th-arab-china-business-conference>

¹⁶⁰² PIF establishes Sawani Company to unlock the potential of Saudi camel dairy industry, ZAWYA (Riyadh) 20 July 2023. Access Date: 13 August 2023. <https://www.zawya.com/en/press-release/companies-news/pif-establishes-sawani-company-to-unlock-the-potential-of-saudi-camel-dairy-industry-hesf0jwa>

¹⁶⁰³ Deal signed to boost efficiency of Saudi farmers, ensure food security, Arab News (Riyadh) 11 August 2023. Access Date: 13 August 2023. <https://www.arabnews.com/node/2353046/business-economy>

¹⁶⁰⁴ Sugarcane farmers ‘rescued’ in the nick of time, foodformzansi (Johannesburg) 30 December 2022. Access Date: 16 March 2023. <https://www.foodformzansi.co.za/sugarcane-farmers-rescued-in-the-nick-of-time/>

surging electricity costs have on food prices.¹⁶⁰⁵ The extension will last from 1 April 2023 for a period of two years.

On 3 March 2023, Minister Didiza announced that all parties producing, processing, and selling lucerne seed or lucerne hay must register with the National Lucerne Trust.¹⁶⁰⁶ This aims to address food shortages by preventing information asymmetry in the lucerne market and thereby promote trading. This action improves South Africa's domestic food security for both the short and long term.

South Africa has partially complied with taking further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally. South Africa has acted to improve domestic food security by investing in domestic agro-industrial sectors and providing fertilisers to farmers in need. However, South Africa fails to address food security challenges globally, lacking any coordinated action with other nation-states.

Thus, South Africa receives a score of 0.

Analyst: William Wang

Türkiye: 0

Türkiye has partially complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.

On 23 December 2022, the Ministry of Agriculture and Forestry of Türkiye made a payment of TRY96.411 million to the accounts of farmers in order to address the issue of shortages of food commodities.¹⁶⁰⁷ Of this, approximately TRY3.1 million was within the scope of cereals, legumes, grain corn support.

Türkiye has partially complied with taking further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally. Türkiye has taken weak action to address the shortage of food commodities and fertilizers, both domestically and internationally.

Thus, Türkiye receives a score of 0.

Analyst: Avishka Gautham

United Kingdom: +1

The United Kingdom has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.

On 25 November 2022, Foreign Secretary James Cleverly and Environment Secretary Thérèse Coffey announced that the UK is committing GBP5 million to a Ukrainian led initiative, delivered through the World Food Programme, to supply grain to countries most at risk of famine including Yemen and Sudan.¹⁶⁰⁸ This action comes in support of global food security and helping Ukraine's farmers and agricultural sector to continue producing and exporting food.

On 21 February 2023, Farming Minister Mark Spencer announced that more than GBP168 million will be invested to drive innovation, improve productivity, and support animal health and welfare through greener

¹⁶⁰⁵ Budget Speech, National Treasury (Cape Town) 22 February 2023. Access Date: 1 July 2023.

<https://www.treasury.gov.za/documents/national%20budget/2023/speech/speech.pdf>

¹⁶⁰⁶ Establishment of Statutory Measure: Registration of Processors, Producers and Persons Dealing in Lucerne Seed and Lucerne Hay, Department of Agriculture, Land Reform and Rural Development (Arcadia) 3 March 2023. Access Date: 5 March 2023. https://www.gov.za/sites/default/files/gcis_document/202303/48158rg11551gon3099.pdf

¹⁶⁰⁷ 96 Milyon 411 bin Liralik Tarimsal Destekleme ödemeleri Bugün Yapılacak, T.C. Tarım ve Orman Bakanlığı (Ankara) 23 December 2022. Translated by Google Translate. Access Date: 24 March 2023.

<https://www.tarimorman.gov.tr/Haber/5645/96-Milyon-411-Bin-Liralik-Tarimsal-Destekleme-Odemeleri-Bugun-Yapilacak>

¹⁶⁰⁸ Foreign Secretary announces critical practical support for Ukraine as winter sets in, Foreign, Commonwealth & Development Office (London) 25 November 2022. Access Date: 17 March 2023.

<https://www.gov.uk/government/news/foreign-secretary-announces-critical-practical-support-for-ukraine-as-winter-sets-in>

equipment, robotics, and automation.¹⁶⁰⁹ The grants will be delivered through the Farming Innovation Programme and Farming Investment Fund. This funding is part of a larger commitment by the British government, where they plan to spend around GBP600 million on grants and other support for farmers to invest in productivity, animal health and welfare, innovation, research, and development over three years.

The United Kingdom has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally. They have been involved in supporting the food security of nations such as Yemen and Sudan, encouraging international food security.

Thus, the United Kingdom receives a score of +1.

Analyst: Artin Khiabani

United States: -1

The United States has not complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.

The United States has not complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.¹⁶¹⁰

Thus, the United States receives a score of -1.

Analyst: Avishka Gautham

European Union: +1

The European Union has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally.

On 22 November 2022, local and regional representatives from the European Committee of the Regions discussed the final stages of implementing policies that boost the EU's food autonomy.¹⁶¹¹ They wanted to create universal access to sustainable, safe, nutritious and affordable food. Moreover, increased income for farmers is also considered to combat rising prices and increase transparency in supply chains. Consequently, those two factors help boost food security. Furthermore, smallholder farmers will receive extra funding to help them with their meagre economies of scale.

On 12 December 2022, Members of European Parliament (MEPs) called for an extension of the EU single market to address food insecurity.¹⁶¹² Russia's war of aggression against Ukraine has put the resilience of the single market to another test, which has emphasized the importance of unity and cooperation between member states. The new Single Market Emergency Instrument is thus key to preventing supply chain shortages and the good functioning of the single market in times of crisis.

On 18 January 2023, MEPs discussed measures to cope with the rising prices of Agricultural goods.¹⁶¹³ President Ursula von der Leyen presented the "Green Deal industrial plan," which increases farmers' access

¹⁶⁰⁹ Increased government funding to boost farming productivity, Department for Environment, Food & Rural Affairs (London) 21 February 2023. Access Date: 17 March 2023. <https://www.gov.uk/government/news/increased-government-funding-to-boost-farming-productivity>

¹⁶¹⁰ This score of non-compliance was determined after searching the following websites: <https://www.usda.gov/>, <https://www.whitehouse.gov/>, <https://www.state.gov/>, <https://www.bbc.com>, and <https://www.theguardian.com>.

¹⁶¹¹ Regional adaptation strategies for low carbon agriculture, European Committee of the Regions (Brussels) 22 November 2022. Access date: 14 March 2023. <https://cor.europa.eu/en/news/Documents/cor-2022-03978-00-01-pac-tra-en.pdf#search=fertilizer>

¹⁶¹² MEPs call to transform and update the EU single market in order to address new challenges, European Parliament (Strasbourg) 12 December 2022. Access date: 01 May 2023. <https://www.europarl.europa.eu/news/en/press-room/20221212IPR64512/meps-call-to-update-the-eu-single-market-in-order-to-address-new-challenges>

¹⁶¹³ MEPs demand continued Ukraine support and measures to cope with rising prices, European Parliament (Strasbourg) 18 January 2023. Access date: 14 March 2023. <https://www.europarl.europa.eu/news/en/press-room/20230113IPR66640/meps-demand-continued-ukraine-support-and-measures-to-cope-with-rising-prices>

to clean technologies via investments. This will improve food security as this plan secures strong and resilient supply chains sustainably.

On 3 February 2023, President of the European Council Charles Michel, President of the European Commission Ursula von der Leyen and President of Ukraine Volodymyr Zelenskyy met in Kyiv for the 24th EU-Ukraine Summit.¹⁶¹⁴ They also announced that the strengthening of the Solidarity Lanes, which are essential for the availability and affordability of food and fertilizers, has brought over 23 million tonnes of Ukrainian grain, oilseeds and other products to world markets.

On 6 February 2023, the council of the European Union reformed the Common Agricultural Policy to help European farmers adapt their farming methods to climate risks.¹⁶¹⁵ The new additions provide targeted support to smaller farms and enhance the contribution of agriculture to the EU's environmental and climate goals. They also allow for greater flexibility for member states to adapt measures to local conditions and indicate the EU's understanding that food security is a serious global issue.

On 16 February 2023, MEPs urged the Commission to ensure the supply of fertilizers, take action to bring down prices and increase the EU's strategic autonomy in fertilizers.¹⁶¹⁶ MEPs want the EU to be less dependent on imported fertilizers and to bring down their prices as a short-term measure to increase the availability of fertilizers for farmers via subsidies. Then the Commission to look into how bottlenecks in the market for fertilizers can be reduced. In the long term, MEPs recommend accelerating the decarbonizing process and using fossil-free and recycled nutrients to produce fertilizers.

On 20 March 2023, the Agriculture and Fisheries Council attempted to control the high prices of inputs such as energy, feed and fertilizers.¹⁶¹⁷ The ministers discussed the market situation for agricultural products in the EU, both in terms of its overall condition and challenges facing particular sectors and regions. They decided that the renewal of the Black Sea initiative, unblocking of Ukrainian Black Sea ports, and the continuation of the EU's solidarity lanes initiative may aid in lowering prices of agricultural products and eventually lower food shortage.

On 18 April 2023, the Parliament adopted the Carbon Border Adjustment Mechanism (CBAM) as part of the EU's Emissions Trading System.¹⁶¹⁸ The CBAM supports the easier exchange of aluminum, fertilizers, electricity, and hydrogen, while stipulating that importers of those goods must pay the price difference between the carbon price in the country of production and the price of carbon allowances in the EU. This aims to mitigate the current shortage of fertilizers without compromising the future of the planet's health.

On 24 April 2023, MEPs demanded that arable land should be used only for the production of food and feed.¹⁶¹⁹ MEPs want farmers to use fallow land for the production of protein crops. They also want the commission to provide support for worst-affected sectors by mobilizing the crisis reserve of EUR479 million.

¹⁶¹⁴ Joint statement following the 24th EU-Ukraine Summit, The Council of the European Union (Brussels) 03 February 2023. Access Date: 10 August 2023. <https://www.consilium.europa.eu/en/press/press-releases/2023/02/03/joint-statement-following-the-24th-eu-ukraine-summit/>

¹⁶¹⁵ Common agricultural policy 2023-2027, The Council of the European Union (Brussels) 06 February 2023. Access Date: 10 August 2023. <https://www.consilium.europa.eu/en/policies/cap-introduction/cap-future-2020-common-agricultural-policy-2023-2027/#what>

¹⁶¹⁶ Fertilisers: Ensuring availability, affordability and long-term autonomy, European Parliament (Strasbourg) 16 February 2023. Access date: 14 March 2023. <https://www.europarl.europa.eu/news/en/press-room/20230210IPR74810/fertilisers-ensuring-availability-affordability-and-long-term-autonomy>

¹⁶¹⁷ Agriculture Council takes stock of market situation in the EU, The Agriculture and Fisheries Council (Brussels) 20 March 2023. Access date: 01 May 2023. <https://www.consilium.europa.eu/en/meetings/agrifish/2023/03/20/>

¹⁶¹⁸ Fit for 55: Parliament adopts key laws to reach 2030 climate target, European Parliament (Strasbourg) 18 April 2023. Access date: 01 May 2023. <https://www.europarl.europa.eu/news/en/press-room/20230414IPR80120/fit-for-55-parliament-adopts-key-laws-to-reach-2030-climate-target>

¹⁶¹⁹ More EU action needed for secure food supply, European Parliament (Strasbourg) 24 April 2023. Access date: 31 May 2023. <https://www.europarl.europa.eu/news/en/press-room/20220321IPR25913/more-eu-action-needed-for-secure-food-supply>

On 30 May 2023, the Agriculture and Fisheries Council discussed the situation of the market for agricultural products and how to solve them.¹⁶²⁰ Other than the increasing energy and input prices and its impact on farmers and food producers, problems of adverse weather conditions in southern Europe may also worsen the affordability of produce including dairy, livestock, fruit and red wine. The proposed solution is to provide additional funding, via the agricultural reserve, for the worst-affected regions and sectors while also adopting a flexible approach to prevent worsening inflation.

On 25 July 2023, the Agriculture and Fisheries Council discussed issues facing Polish, Bulgarian, Hungarian, Romanian, and Slovakian agricultural sectors, due to the ban on certain imports from Ukraine.¹⁶²¹ The proposed solution is for the EU to strengthen the monitoring of the markets, allowing the EU to react appropriately to any development and anticipate potential crises.

The European Union has fully complied with its commitment to take further coordinated actions to address food security challenges including price surges and shortage of food commodities and fertilizers globally. The EU has discussed policies to coordinate efforts to address food security challenges. It has also addressed price surges by creating a new plan and encouraging domestic production of fertilizers.

Thus, the European Union receives a score of +1.

Analyst: Ada Davidrajub

¹⁶²⁰ Other business: Agriculture and Fisheries Council, the Agriculture and Fisheries Council (Brussels) 30 May 2023. Access date: 31 May 2023. <https://data.consilium.europa.eu/doc/document/ST-9693-2023-INIT/en/pdf>

¹⁶²¹ Agriculture and Fisheries Council, 25 July 2023, the Agriculture and Fisheries Council (Brussels) 25 July 2023. Access date: 10 August 2023. <https://www.consilium.europa.eu/en/meetings/agrifish/2023/07/25/>