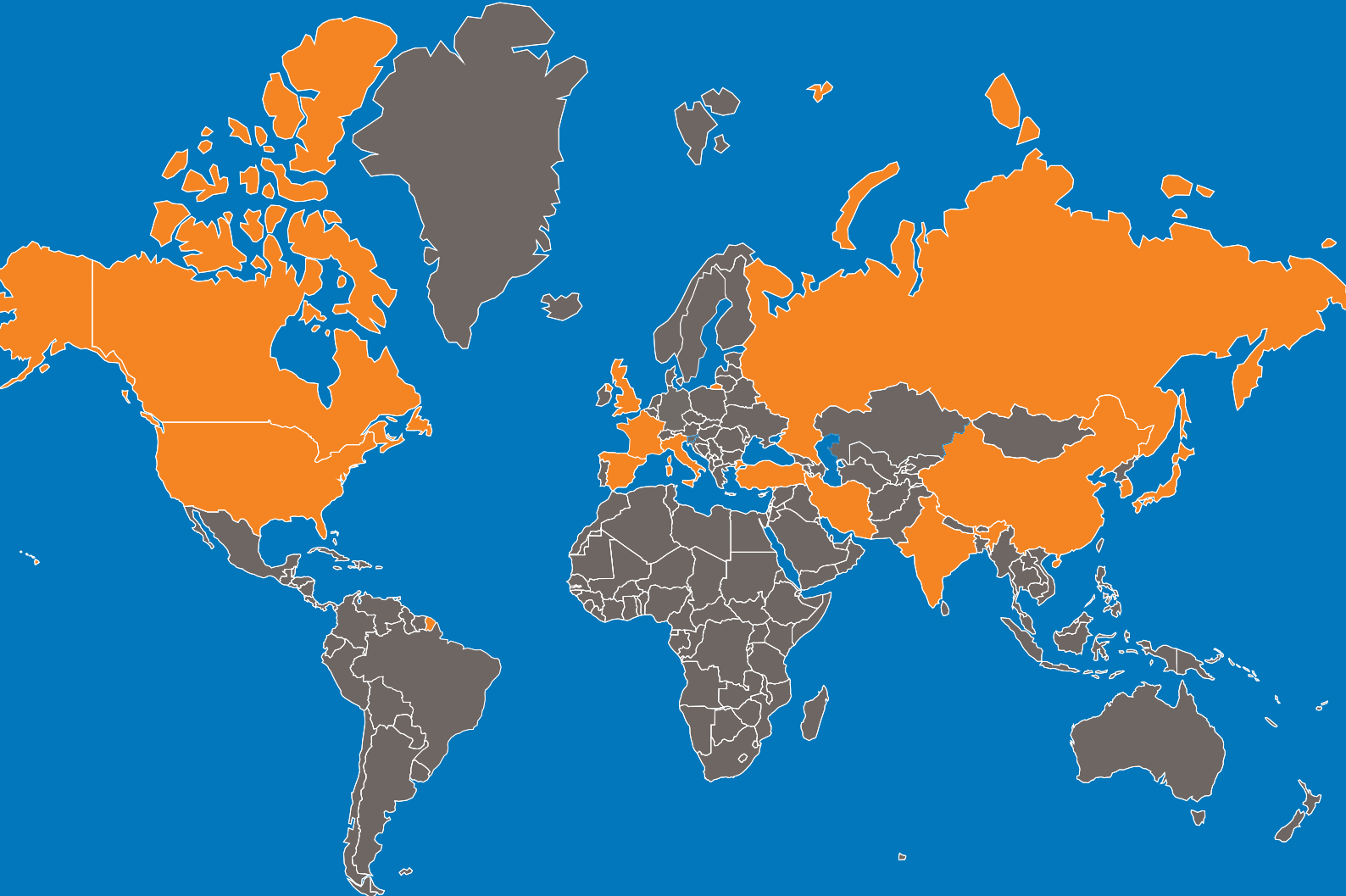


**COVID-19**  
**Impact survey #11**

**Reporting period April 2021**



## Agrievolution Alliance COVID-19 Global Impact Survey

- Survey participants are the listed Agrievolution Alliance member associations whose responses reflect their knowledge of what is occurring within their own countries and what their agriculture equipment manufacturing member companies are experiencing.
- This survey will be conducted periodically for as long it remains relevant and participation continues, with the first survey results published March 27, 2020.
- While the goal is to receive consistent responses from all Alliance members, some Alliance members may not respond for each reporting period and therefore their country will not be included in the results.

## Agrievolution Alliance Members



**AEA**  
Agricultural Engineers Association



**AEM**  
Association of Equipment Manufacturers



**ANSEMAT**  
Association for Agricultural, Forestry and Landscaping Machinery



**ATMAK**  
Tractor, Combine, Machinery and Agricultural Equipment Manufacturers Association



**AXEMA**  
Association for Industrial Agricultural Equipment



**CAMDA**  
China Agricultural Machinery Distribution Association



**CEMA**  
European Agricultural Machinery Association



**FEDERUNACOMA**  
Italian Farm Machinery Manufacturers Association



**FICCI**  
Federation of Indian Chambers of Commerce and Industry



**JAMMA**  
Japan Agricultural Machinery Manufacturer's Association



**KAMICO**  
Korean Agricultural Machinery Industry Cooperative



**ROSSPETSMAH**  
Russian Association of Specialized Machinery and Equipment Manufacturers



**TARMAKBIR**  
Turkish Association of Agricultural Machinery & Equipment Manufacturers

## OVERVIEW

April, 21st 2021

*Positive trends continue in most regions for the agricultural equipment manufacturers sector but not without challenges relating to Covid-19. Responses to how companies and regions are dealing with the pandemic are outlined in this survey responses from Agrievolution Alliance members made up of associations representing over 6,000 manufacturers worldwide. This survey provides an update and comparison to the last impact survey done by the alliance in February 2021 with data going back to April 2020.*

*Alliance members report most manufacturing facilities are now open. Facilities have made the necessary changes in process and protective procedures to be open. Only South Korea continues to report some closures between 1-20% of manufacturing facilities.*

*We are beginning to see some stability in orders taken for the agricultural market of equipment whole goods around the world. 73% of reporting regions of alliance members now report that orders of whole goods are level with original projections prior to the onset of Covid-19. However, Japan, South Korea, and Spain all report a decline between 1-25% with Spain reporting a decline since that last reporting period where they reported a condition of level projections.*

*Supply chain challenges are noted by many regions as one of the biggest concerns. Additionally, price increases of raw material are causing many problems. Brazil, France Russia, Spain, and Turkey all highlight price increases of steel, copper, polymers and packaging material as creating market challenges for member companies. Business travel, and the ability to meet are highlighted by China and South Korea as key concerns. Japan notes that they are seeing some farmers less willing to make purchases today.*

*Other than concerns relating to the supply chain and price increases of raw materials perceptions of most agricultural equipment manufacturers remain positive. Most regions expect a return to “normal” business practices in the next 12 months.*

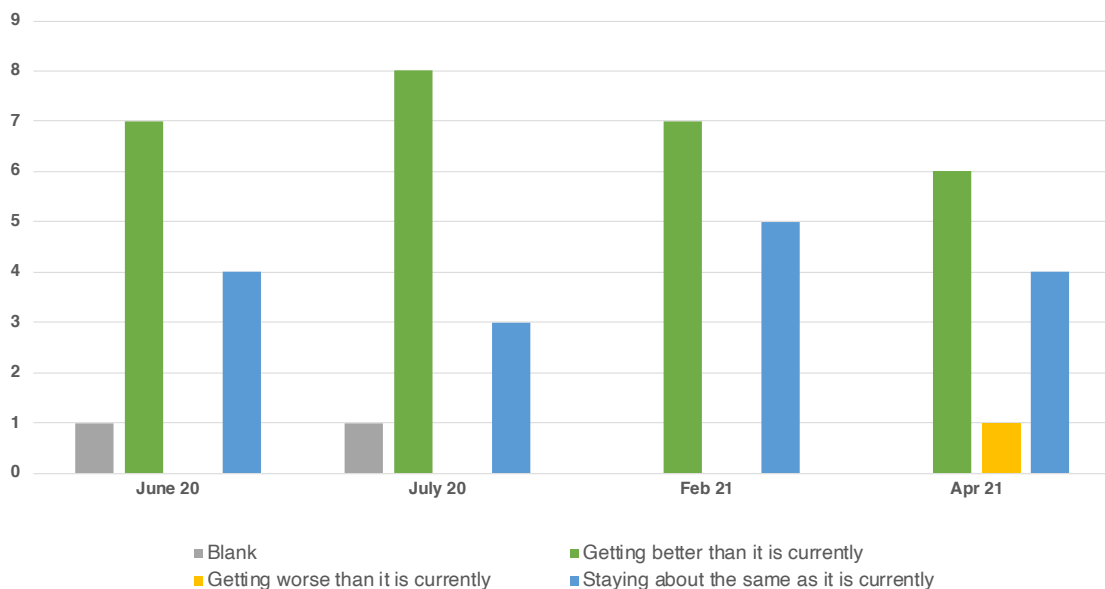
**Charlie O’Brien**

**Agrievolution Secretary General**

## Q1

# Over the next 30 days what is the perception of your member companies regarding the financial outlook for business in the agricultural equipment manufacturing sector?

Many regions report that the financial situation for their member companies continue to improve. Italy, Japan, Russia, and South Korea all indicate the financial situation is remaining about the same for companies as reported in February. India is now reporting the situation is getting worse which is a dramatic reversal from the past several months having reported the situation had been improving.



Country	May 20	Jun 20	Jul 20	Feb 21	Apr 21
Brazil	GW	GB	GB	TS	
China	TS	GB	GB	GB	GB
France	TS	GB		GB	GB
India	GB	GB	GB	GB	GW
Italy	GW	TS	GB	GB	TS
Japan	TS	TS	TS	TS	TS
Russia	TS	TS	TS	TS	TS
South Korea	GW		GB	GB	TS
Spain	GB	GB	GB	GB	GB
Turkey	GB	GB	GB	TS	GB
United Kingdom	TS	GB	GB	TS	GB
USA	TS	TS	TS	GB	GB

**GB = Getting better than it is currently**

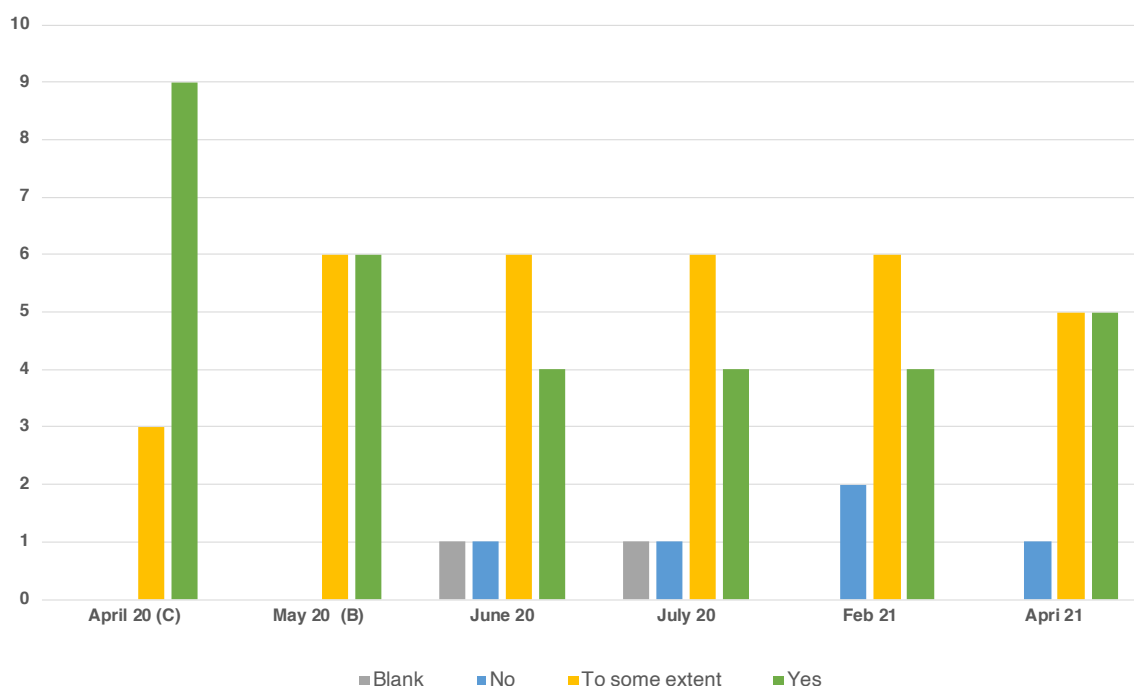
**GW = Getting worse than it is currently**

**TS = Staying about the same as it is currently**

## Q2

### Has international travel for people been banned at this point?

Currently only Turkey report no international travel restrictions currently. Russia has now reinstated some travel restrictions. All other regions have varying degrees of travel restrictions. The travel restrictions by most regions have been consistent over the last 8 months.



Country	Apr 20 (c)	May 20 (a)	May 20 (b)	Jun 20	Jul 20	Feb 21	Apr 21
Brazil	YES	TSE	TSE	TSE	TSE	YES	
China	TSE		TSE	TSE	YES	TSE	TSE
France	YES		YES	YES		YES	YES
India	YES	YES	YES	YES	YES	TSE	YES
Italy	YES	YES	TSE	TSE	TSE	TSE	TSE
Japan	YES	NO	YES	YES	TSE	YES	YES
Russia	YES	NO	YES	YES	TSE	NO	TSE
South Korea	YES	TSE	TSE		YES	YES	YES
Spain	YES	YES	TSE	TSE	TSE	TSE	TSE
Turkey	YES	YES	YES	TSE	NO	NO	NO
UK	TSE	NO	TSE	NO	TSE	TSE	TSE
USA	TSE	TSE	YES	TSE	YES	TSE	YES

**TSE = To some extent**

## Q3

# What is the one biggest concern relative to agricultural equipment manufacturing being raised today by members of your association because of the COVID-19 pandemic?

Supply chain challenges are noted by many regions as one of the biggest concerns. Additionally, price increases of raw material are causing many problems. Brazil, France, Russia, Spain, and Turkey all highlight price increases of steel, copper, polymers and packaging material as creating market challenges for member companies. Business travel, and the ability to meet are highlighted by China and South Korea as key concerns. Japan notes that they are seeing some farmers less willing to make purchases today.

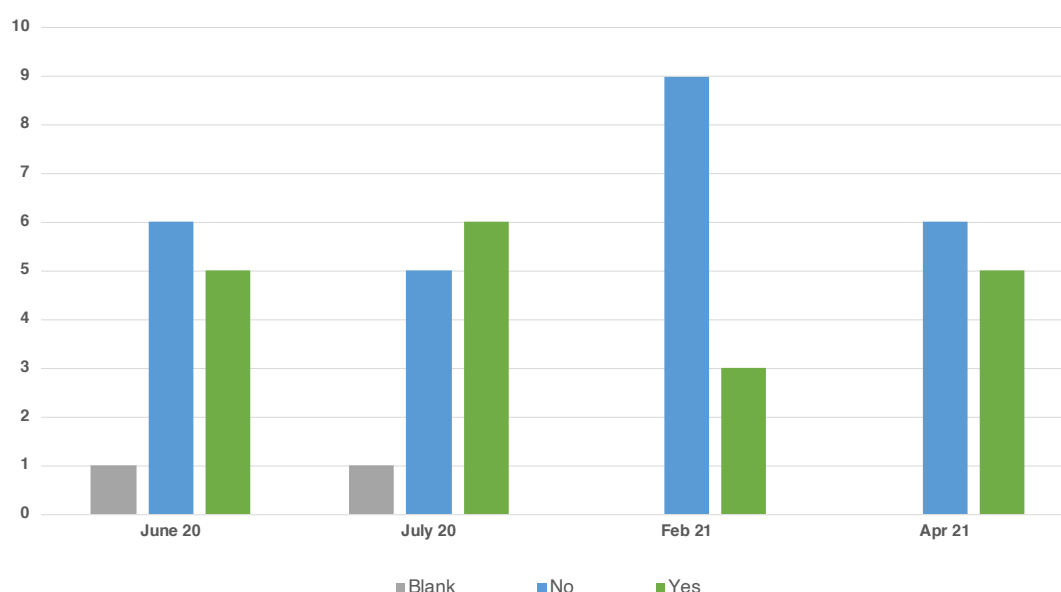
Country	April 2021
<b>Brazil</b>	
<b>China</b>	<b>Business travel be banned</b>
<b>France</b>	<b>Iron prices / difficulties of supply</b>
<b>India</b>	<b>Bottleneck due to people availability at factory, distribution and supply chain</b>
<b>Italy</b>	<b>Supply of components</b>
<b>Japan</b>	<b>Farmers willingness to buy ag machines</b>
<b>Russia</b>	<b>The growth of prices for rolled metal and electricity</b>
<b>South Korea</b>	<b>At this time, people can't meet easily this is the one of the big concern</b>
<b>Spain</b>	<b>Medium term business uncertainty and rising industrial commodity prices</b>
<b>Turkey</b>	<b>Supply of raw materials, components and parts (especially steel)... container supply and shipping charges for international transport...increase in plastic raw material prices</b>
<b>UK</b>	<b>Supply chain issues</b>
<b>USA</b>	<b>Supply chain challenges</b>



## Q4

# Is the agricultural equipment manufacturing sector receiving any government financial support during the COVID-19 pandemic?

At this point most governments are not providing financial support to agricultural equipment manufacturers with the only exceptions being France, Italy, Russia, South Korea, and the UK.

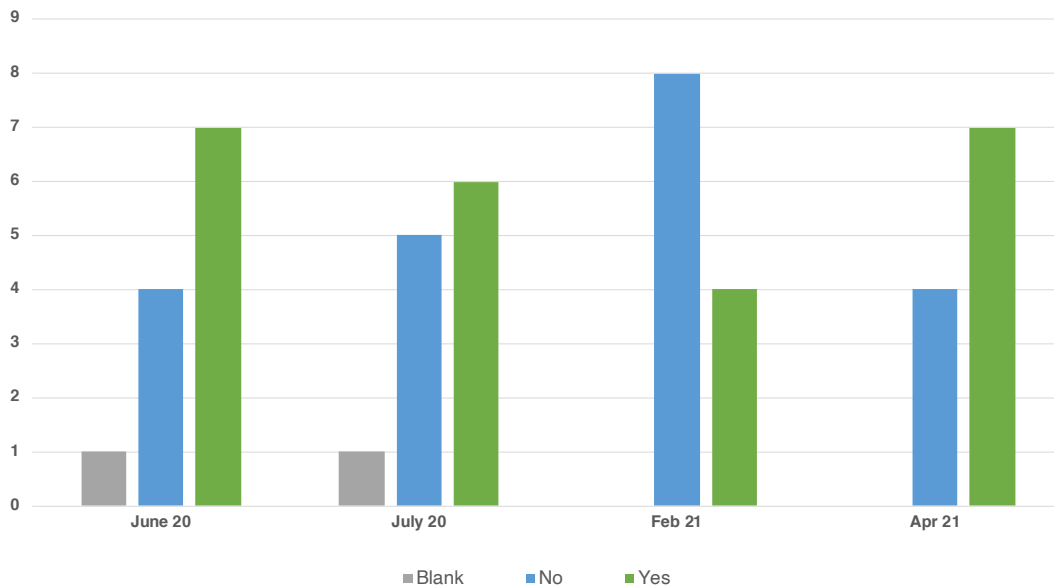


Country	May 20	Jun 20	Jul 20	Feb 21	Apr 21
<b>Brazil</b>	NO	YES	YES	NO	
<b>China</b>	NO	NO	NO	NO	NO
<b>France</b>	NO	NO		YES	YES
<b>India</b>	NO	NO	NO	NO	NO
<b>Italy</b>	YES	YES	YES	NO	YES
<b>Japan</b>	NO	NO	NO	NO	NO
<b>Russia</b>	YES	YES	YES	YES	YES
<b>South Korea</b>	NO		YES	NO	YES
<b>Spain</b>	NO	NO	NO	NO	NO
<b>Turkey</b>	NO	NO	NO	NO	NO
<b>UK</b>	YES	YES	YES	YES	YES
<b>USA</b>	YES	YES	YES	NO	NO

## Q5

### Is the agricultural equipment manufacturing sector receiving any administrative or similar support that loosens restrictions or policies during the COVID-19 pandemic?

A shift has taken place over the past 30 days with more governments providing some level of administrative or similar support that loosens restrictions or policies resulting in streamlining procedures. 64% of the regions now report companies are now seeing some level of this support compared to only 36% last month.



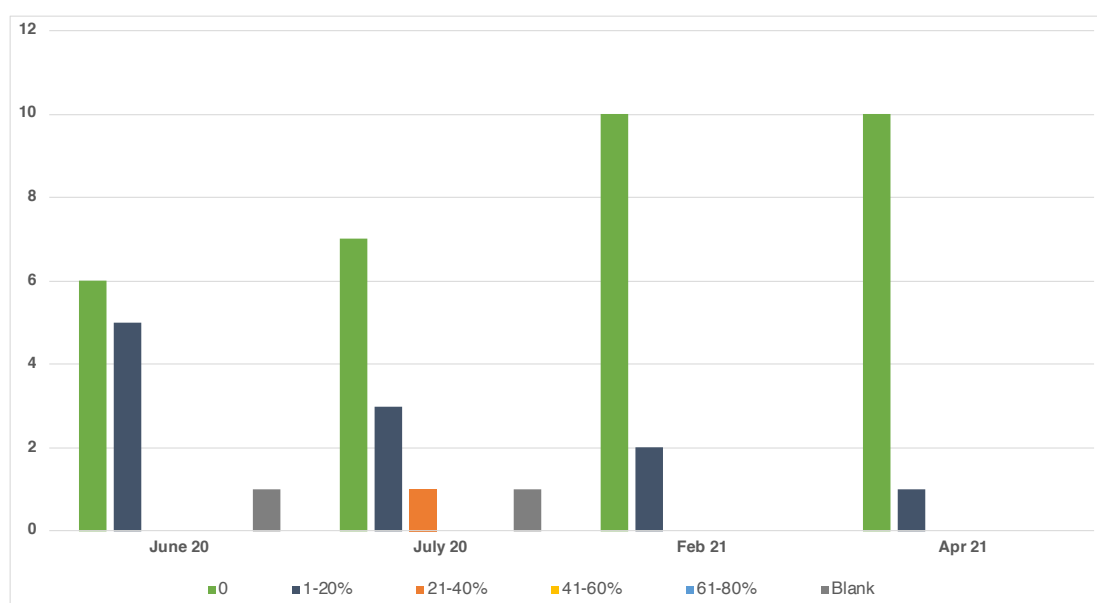
Country	May 20	Jun 20	Jul 20	Feb 21	Apr 21
Brazil	YES	YES	YES	NO	
China	YES	YES	NO	NO	NO
France	NO	NO		YES	YES
India	YES	YES	YES	NO	YES
Italy	NO	YES	YES	YES	NO
Japan	NO	NO	NO	NO	NO
Russia	YES	YES	YES	NO	YES
South Korea	YES		YES	YES	YES
Spain	YES	YES	YES	YES	YES
Turkey	NO	NO	NO	NO	NO
UK	YES	NO	NO	NO	YES
USA	YES	YES	NO	NO	YES



## Q6

### What percent of manufacturing facilities are closed in your country as a result of the COVID-19?

Only South Korea continues to report some closures between 1-20% of manufacturing facilities. All other countries report no closures. Facilities have made the necessary changes in process and protective procedures to be open.

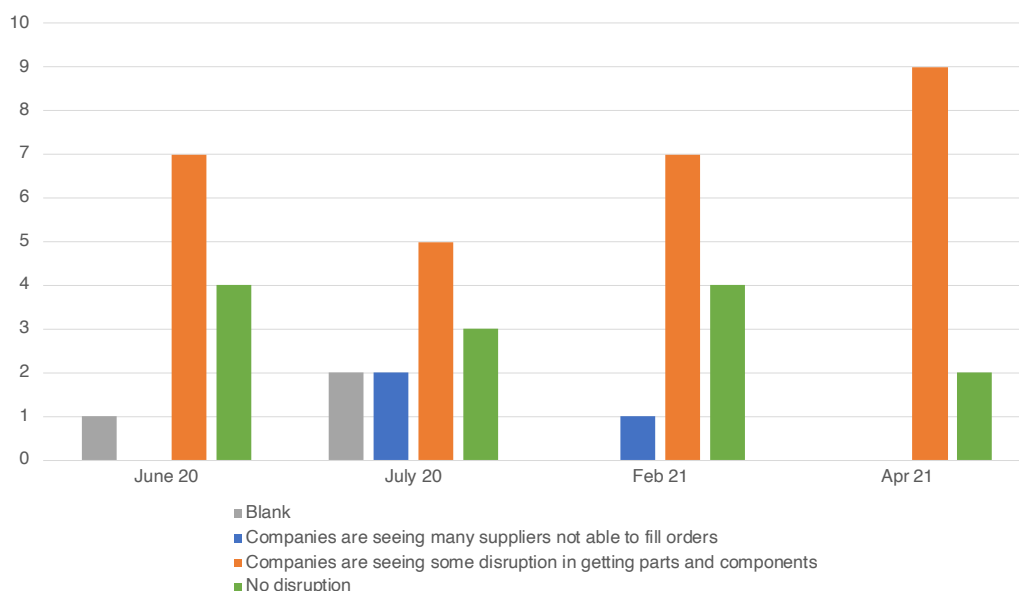


Country	May 20 (a)	May 20 (b)	Jun 20	Jul 20	Feb 21	Apr 21
Brazil	41-60%	41-60%	1-20%	1-20%	0%	
China		0%	1-20%	0%	0%	0%
France		1-20%	1-20%		0%	0%
India	21-40%	21-40%	0%	0%	0%	0%
Italy	1-20%	0%	0%	1-20%	0%	0%
Japan	41-60%	1-20%	0%	0%	0%	0%
Russia	0%	0%	0%	0%	0%	0%
South Korea	21-40%	1-20%		21-40%	1-20%	1-20%
Spain	0%	0%	0%	0%	0%	0%
Turkey	1-20%	0%	0%	0%	0%	0%
UK	21-40%	1-20%	1-20%	0%	0%	0%
USA	21-40%	1-20%	1-20%	1-20%	1-20%	0%

## Q7

## Which statement below best describes the current situation relating to any disruption in the agriculture equipment manufacturing supply chain with parts and components?

One of the biggest concerns noted by reporting alliance members has been disruptions or price increases in raw materials being provided by their respective supply chains. An increase over the last 30 days from 58% to 75% now reporting disruptions in their regions. Only China and Russia report they do not share the issue of supply chain concerns.



Country	May 20 (a)	May 20 (b)	Jun 20	Jul 20	Feb 21	Apr 21
Brazil	NA	NA	SD	NA	SD	
China		NA	SD	NA	ND	ND
France		SD	SD		SD	SD
India	SD	SD	SD	SD	SD	SD
Italy	SD	SD	ND	SD	NA	SD
Japan	NA	SD	ND		SD	SD
Russia	SD	SD	SD	SD	ND	ND
South Korea	SD	SD		SD	SD	SD
Spain	SD	ND	ND	ND	ND	SD
Turkey	SD		ND	ND	ND	SD
UK	ND	ND	SD	ND	SD	SD
USA	SD	SD	SD	SD	SD	SD

ND = No disruption

SD = Companies are seeing some disruption in getting parts and components

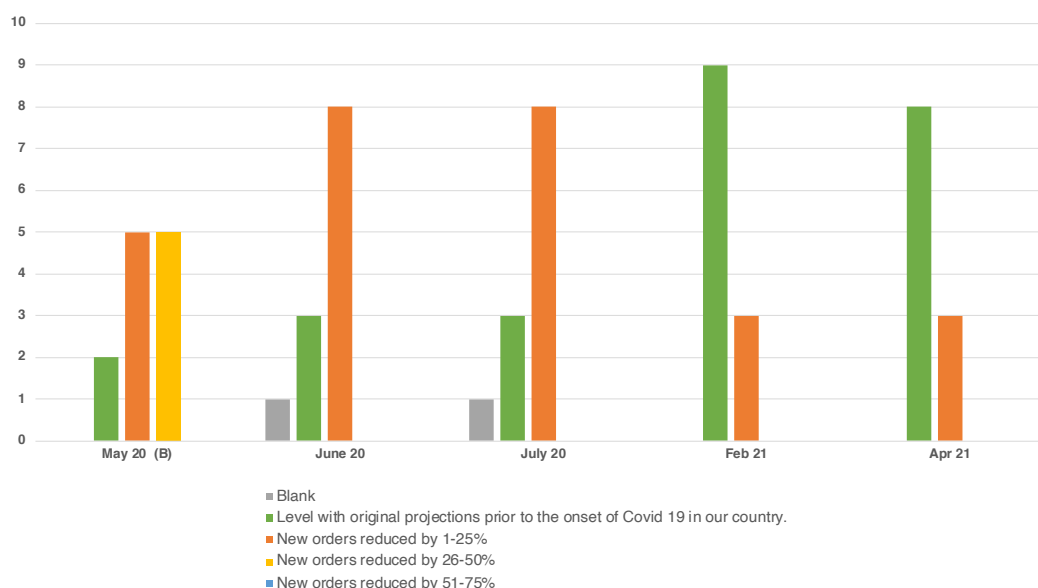
NA = Companies are seeing many suppliers not able to fill orders

SH = There are no supply orders being filled at this time as factories are shut down

## Q8

# What is the economic impact on new orders being taken for agriculture equipment whole goods?

We are beginning to see some stability in orders taken for the agricultural market of equipment whole goods around the world. 73% of reporting regions of alliance members now report that orders of whole goods are level with original projections prior to the onset of Covid-19. However, Japan, South Korea, and Spain all report a decline between 1-25% with Spain reporting a decline since that last reporting period where they reported a condition of level projections.



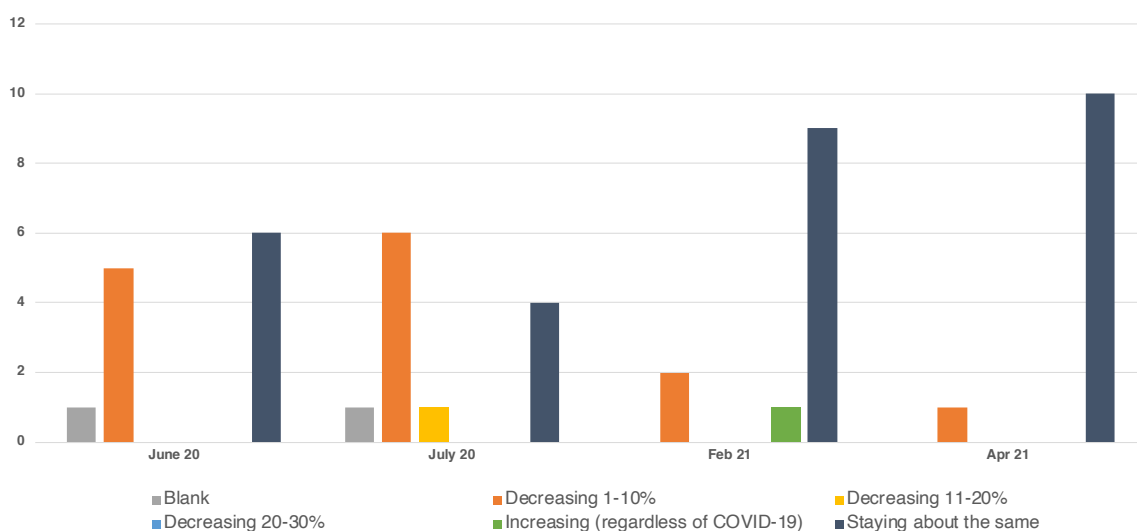
Country	May 20 (a)	May 20 (b)	Jun 20	Jul 20	Feb 21	Apr 21
Brazil	↓ [51-75%]	↓ [26-50%]	↓ [1-25%]	↓ [1-25%]	↓ [1-25%]	
China		↓ [1-25%]	↓ [1-25%]	↓ [1-25%]	L	L
France		↓ [1-25%]	↓ [1-25%]		L	L
India	↓ [26-50%]	↓ [26-50%]	L	L	L	L
Italy	↓ [26-50%]	↓ [1-25%]	↓ [1-25%]	↓ [1-25%]	L	L
Japan	↓ [51-75%]	↓ [26-50%]	↓ [1-25%]	↓ [1-25%]	↓ [1-25%]	↓ [1-25%]
Russia	L	L	L	L	L	L
South Korea	↓ [1-25%]	↓ [26-50%]		↓ [1-25%]	↓ [1-25%]	↓ [1-25%]
Spain	↓ [26-50%]	↓ [26-50%]	↓ [1-25%]	↓ [1-25%]	L	↓ [1-25%]
Turkey	↓ [26-50%]	↓ [51-75%]	L	L	L	L
UK	↓ [1-25%]	↓ [1-25%]	↓ [1-25%]	↓ [1-25%]	L	L
USA	↓ [26-50%]	↓ [1-25%]	↓ [1-25%]	↓ [1-25%]	L	L

L = Level with original projections prior to the onset of Covid 19 in our country

## Q9

## What is the impact on employment at member companies because of COVID-19?

Employment levels seem to be mostly stable with all countries reporting no changes in employment except South Korea seeing a decline down 1-10%. Brazil notes that labour is readily available, however not always with the appropriate skills. This means extra cost to train individual employees properly.



Country	May 20	Jun 20	Jul 20	Feb 21	Apr 21
Brazil	↓ [20-30%]	↓ [1-10%]	↓ [1-10%]	TS	
China	↓ [1-10%]	↓ [1-10%]	↓ [1-10%]	TS	TS
France		TS		TS	TS
India	↓ [1-10%]	↓ [1-10%]	↓ [1-10%]	↓ [1-10%]	TS
Italy	TS	TS	TS	TS	TS
Japan	TS	TS	TS	TS	TS
Russia	TS	↓ [1-10%]	TS	TS	TS
South Korea	↓ [20-30%]	TS	↓ [11-20%]	TS	↓ [1-10%]
Spain	↓ [11-20%]	↓ [1-10%]	↓ [1-10%]	TS	TS
Turkey	↓ [1-10%]	TS	TS	IRC	TS
UK	↓ [1-10%]	TS	↓ [1-10%]	↓ [1-10%]	TS
USA	↓ [1-10%]	TS	↓ [1-10%]	TS	TS

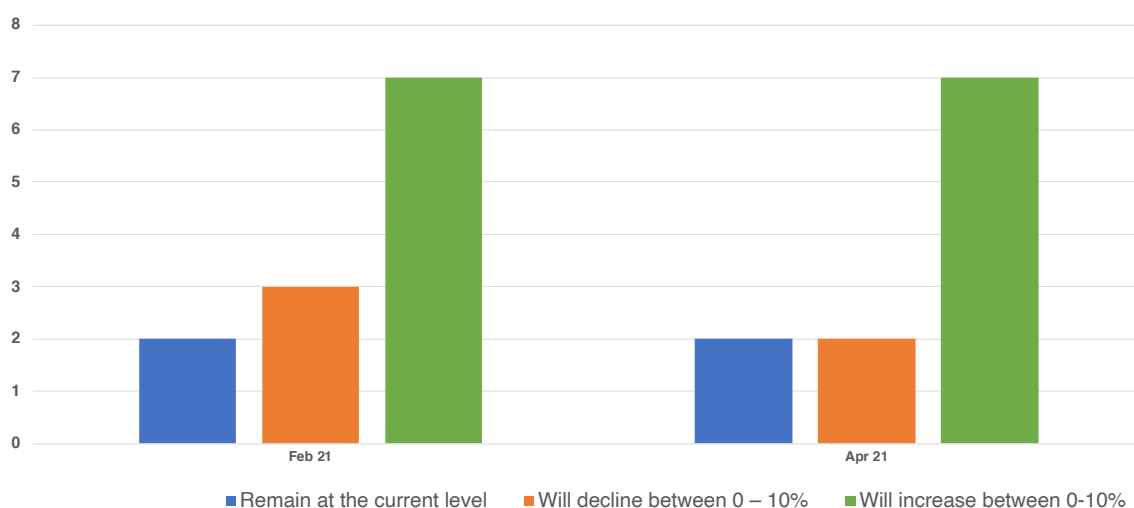
TS = Staying about the same

IRC = Increasing (regardless of COVID-19)

## Q10

### What are the expectations of the impact of the COVID-19 pandemic on the sale of whole goods for the next 6 months?

Expectations remain positive for most regions with seven regions reporting projected increases over the next 6 months between 1-10%. Japan and the United States expect sales of whole goods to remain level while India and South Korea expect to see a slight decline in the sale of whole goods down 1-10%.



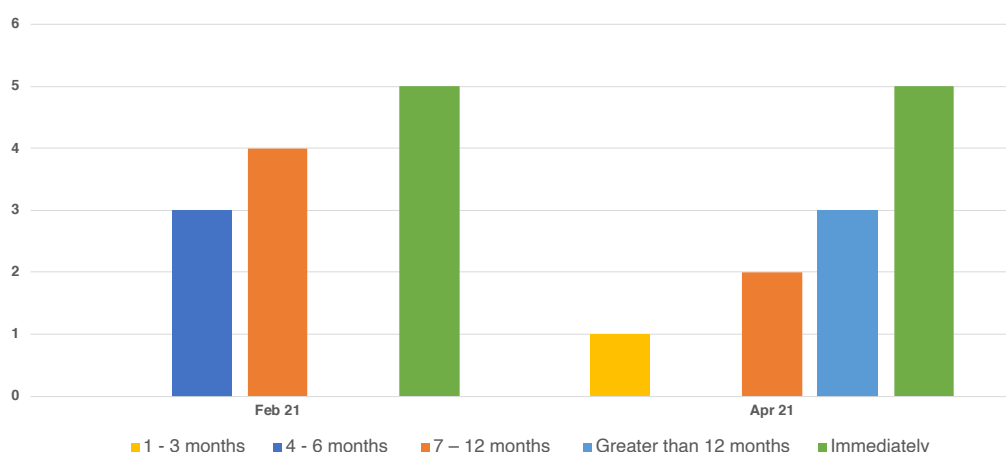
Country	Feb 21	Apr 21
Brazil	↑ [0-10%]	
China	↑ [0-10%]	↑ [0-10%]
France	↓ [0-10%]	↑ [0-10%]
India	↑ [0-10%]	↓ [0-10%]
Italy	↑ [0-10%]	↑ [0-10%]
Japan	↓ [0-10%]	LEVEL
Russia	LEVEL	↑ [0-10%]
South Korea	↓ [0-10%]	↓ [0-10%]
Spain	↑ [0-10%]	↑ [0-10%]
Turkey	↑ [0-10%]	↑ [0-10%]
UK	LEVEL	↑ [0-10%]
USA	↑ [0-10%]	LEVEL

**LEVEL = Remain at the current level**

## Q11

### Assuming vaccines are becoming available now or, in the near future, when do you anticipate the agricultural equipment manufacturing sector will return to “normal” business activities?

Sentiments remain mixed regarding the return to “normal” business activities for agricultural equipment manufacturers. Five regions feel a return to “normal” will occur immediately in part due to vaccines becoming available in varying degrees around the world. Interestingly Japan, South Korea, and Spain have all increased the length of time expected to return to “normal” indicating it may now take more than 12 months. Turkey still projects a return to normal in 7-12 months and the UK is now slightly more optimistic from the last reporting period now indicating a return in 1-3 months.

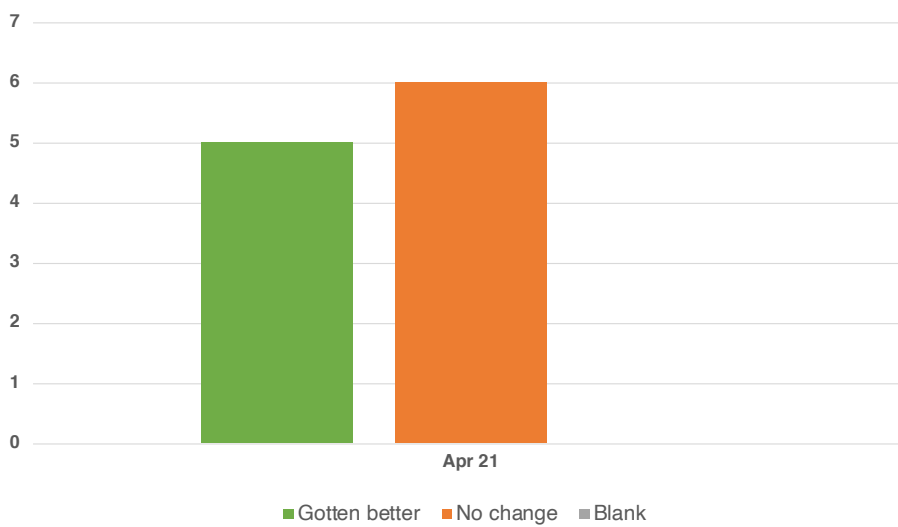


Country	Feb 21	Apr 21
Brazil	4-6 months	4-6 months
China	Immediately	Immediately
France	Immediately	Immediately
India	Immediately	Immediately
Italy	Immediately	Immediately
Japan	7-12 months	> 12 months
Russia	Immediately	Immediately
South Korea	7-12 months	> 12 months
Spain	4-6 months	> 12 months
Turkey	7-12 months	7-12 months
UK	4-6 months	1-3 months
USA	7-12 months	7-12 months

## Q12

### In the last 30 days Covid-19's impact on the business climate for business companies has...

In the last 30 days 5 regions feel the business climate has gotten better where 6 regions feel the situation is about the same.



Country	Apr 21
Brazil	GB
China	GB
France	GB
India	NC
Italy	NC
Japan	NC
Russia	NC
South Korea	NC
Spain	GB
Turkey	NC
UK	GB
USA	GB

**GB = Gotten better**

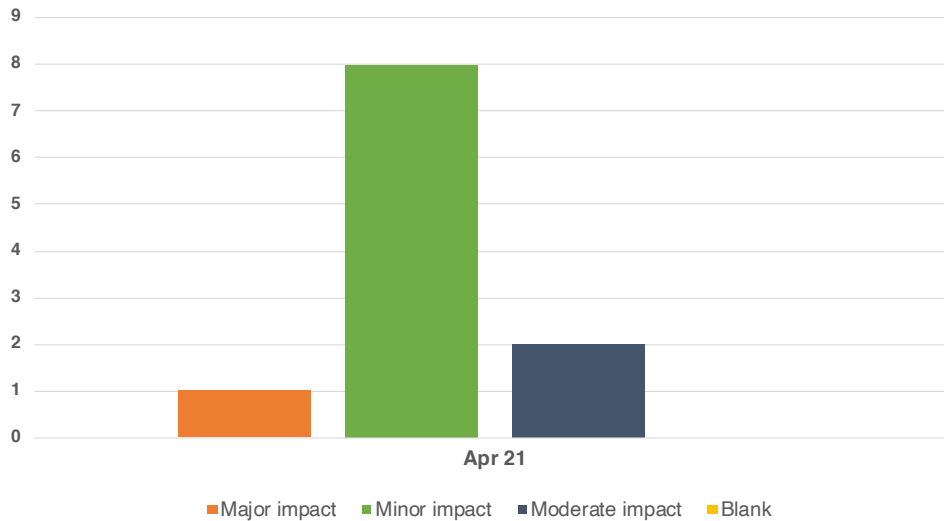
**NC = No change**



## Q13

### What is the expected COVID-19 impact on business activities for your member companies for the next 6 months ?

Eight regions report they expect to see minor impact to business activities for their member companies over the next 6 months indicating they have already instituted protective measures in their facilities and/or the positive impact of vaccines that will help to normalize business activities. China and South Korea feel the pandemic will continue to have a moderate impact on business activities and Japan expects a continuation of a major impact from the virus over the next 6 months in their country.



Country	Apr 21
Brazil	
China	MO
France	MI
India	MI
Italy	MI
Japan	MA
Russia	MI
South Korea	MO
Spain	MI
Turkey	MI
UK	MI
USA	MI

MO = Moderate impact  
 MI = Minor impact  
 MA = Major impact





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