



NATIONAL BIOSAFETY AUTHORITY

List of Globally Commercialized Genetically Modified (GM) Crops and Animals for Cultivation, Food, Feed and Processing as at 31stDecember 2022

	GM Crop	Country where its approved for Cultivation	Country where its approved for Food/Feed and Processing and other uses
1	Soybean and/or derived products	Argentina, Bolivia, Brazil, Canada, Paraguay, USA, Uruguay.	Australia, China, Colombia, European Union, India, Iran, Japan, Malaysia, Mexico, New Zealand, Philippines, Russian Federation, Singapore, South Korea, Taiwan, Thailand, Vietnam, Turkey, Costa Rica, Indonesia, Switzerland. Africa: South Africa, Nigeria
2	Canola/Rapeseed and/or derived products	Australia, Canada, Chile, USA. Africa: South Africa	China, Colombia, European Union, Iran, Mexico, Malaysia, New Zealand, Norway, Japan, Philippines, Turkey, Republic of Korea, Belarus, Chile, European Union, Germany, Sweden.
3	Cotton and/or derived products	Argentina, Australia, Brazil, China, Colombia, Costa Rica, India, Mexico, Myanmar, Pakistan, Paraguay, USA Africa: Kenya, Sudan, South Africa, Ethiopia, e-Swatini, Nigeria.	European Union, Japan, Malaysia, New Zealand, South Korea, Taiwan, Colombia, Paraguay, Philippines, Singapore, Canada.
4	Maize /Corn and/or derived products	Argentina, Brazil, Canada, Chile, Colombia, Honduras, Paraguay, Philippines, Portugal, Spain, United States of America, Uruguay, Vietnam.	Australia, China, Cuba, Indonesia, Japan, Malaysia, Mexico, New Zealand, Russian Federation, Singapore, South Korea, Taiwan, Thailand, European Union, Iran, Turkey, Switzerland, Costa Rica.

		Africa: South Africa, Nigeria	Africa: Zambia
5	Papaya and/or derived products	China, USA.	Canada, Japan.
6	Potato and/or derived products	USA and Philippines.	Australia, Canada, European Union, Japan, Mexico, New Zealand, , Singapore, South Korea, Germany, Malaysia.
7	Sugar Beet	Canada, USA	Australia, , China, Colombia, European Union, New Zealand, Japan, Mexico, Philippines, Russia, Singapore, South Korea, Taiwan.
8	Sugar Cane	Brazil, Indonesia	Canada, USA.
9	Brinjal/ Eggplant	Bangladesh	Philippines.
10	Apple	Canada, USA	
11	Squash and/or derived products	USA	USA, Canada.
12	Alfafa/Luce rne	Argentina, Canada, USA	Australia, Japan, Mexico, New Zealand, Malaysia, Philippines, Singapore, South Korea.
13	Pineapple and/or derived products	Costa Rica	Canada, USA.
14	Safflower	Australia, New Zealand	Argentina.
15	Cow pea	Nigeria, Ghana	
16	Rice and/or derived products	China, Philippines, USA,	Australia, Iran, Honduras, Colombia, New Zealand.
17	Wheat and/or	Argentina	Australia, Brazil, Colombia, New Zealand, USA, Spain, Germany.

	derived products		Africa: South Africa, Nigeria
18	Tomato	China, USA	Canada, Mexico
20	Melon	USA	USA
21	Flax	Canada, USA	Canada, Colombia, USA
22	Carnations	Australia, Japan, Colombia	USA, Canada, Japan, Malaysia, Singapore, and the EU.
23	Roses	USA, Japan, Australia, Colombia	USA, Japan, Australia, Colombia
24	Eucalyptus	Brazil	
25	Creeping bent grass	USA	
26	Chicory	USA	
27	Common Bean	Brazil	USA, Colombia
28	Cantaloupe	USA	
29	Petunia	USA	
	GM Animal	Country where its commercialized	
1	Fish (salmon)	USA, Canada	
2	Mosquitoes (<i>Aedes aegypti</i>).	USA, Brazil	

References

ISAAA. Global Status of Commercialized Biotech/GM Crops in 2019: <https://www.isaaa.org/resources/publications/briefs/55/executivesummary/default.asp>

ISAAA's GM Approval Database. <http://www.isaaa.org/gmapprovaldatabase/>

GenBit GM crops database available at <https://www.genbitgroup.com/en/gmo/gmodatabase/>

FAO GM Foods Platform: Global GM Food/Feed production (Map) available at <http://www.fao.org/food/food-safety-quality/gm-foods-platform/global-outlook/en/>

Note: *Import of the above crops/animals and/or their products thereof from the stated countries will require NBA clearance at points of entry.*