

Voluntary Report – Voluntary - Public Distribution

Date: January 05, 2023

Report Number: TU2023-0001

Report Name: Turkey Updates List of Approved Biotech Events

Country: Turkey

Post: Ankara

Report Category: Biotechnology and Other New Production Technologies, Biotechnology and Other New Production Technologies Addendum, Biotechnology - Plants and Animals, Cloning

Prepared By: Nergiz Ozbag

Approved By: Michael Francom

Report Highlights:

On December 30, 2022, the Turkish Government published a Biosafety Decision to reapprove the import of a genetically engineered (GE) stacked corn event, NK603 X MON 810, for feed. In a separate government action, the single event MON 810 was canceled due to a recent court decision. With these latest changes, the total number of approved GE events remains at 36.

Turkish Ministry of Agriculture and Forestry Approves One More Biotech Event

Under the Turkish Biosafety Law, approvals for biotechnology events automatically expire after 10 years, and a new application must be made to renew the events. Based on this requirement, the Ministry of Agriculture and Forestry (MinAF) cancelled the approval of stacked corn event, NK603 X MON810, on February 27, 2021.

In December 2022, the Turkish Poultry Meat Producers and Breeders Association (Besd-Bir) submitted a new dossier to MinAF with the request to reapprove the same stacked corn event, NK603 X MON810. MinAF accepted the application for review under the simplified procedure and later approved the stacked event for feed use through a decision published in the [Official Gazette](#) on December 30, 2022.

MinAF, in a separate action, cancelled the approval of the single MON810 event, based on a recent court decision cancelling the event in question.

With these latest changes, there are still a total of 36 approved GE events for feed in Turkey. Please see Table 1 below for the current approved events for feed and Table 2 for current enzymes produced from *GE-Aspergillus oryzae*.

For detailed information on Turkey's biosafety policies, please refer to [the Agricultural Biotechnology Annual Report for 2022](#).

Table 1: Approved Events for Feed

No	Product	Developer	Event	OECD Unique Identifier	Approval Date
1	Corn	Syngenta	Bt11	SYN-BTØ11-1	12/24/2011
2	Corn	DuPont Pioneer	DAS1507 (TC1507)	DAS- Ø15Ø7-1	12/24/2011
3	Corn	Dow AgroSciences LLC	DAS59122	DAS-59122-7	12/24/2011
4	Corn	Monsanto	NK603	MON-ØØ6Ø3-6	12/24/2011
5	Corn	Syngenta	GA21	MON-ØØØ21-9	12/24/2011
6	Corn	Monsanto	MON89034	MON-89Ø34-3	12/24/2011
7	Corn	Monsanto	MON88017	MON-88Ø17-3	4/21/2012
8	Corn	Syngenta		SYN-IR6Ø4-5	7/16/2015

			MIR604		
9	Corn	Monsanto	MON863	MON-ØØ863-5	7/16/2015
10	Corn	Bayer CropScience	T25	ACS-ZMØØ3-2	7/16/2015
11	Corn	Syngenta	Bt11xMIR604	SYN-BTØ11-1x SYN-IR6Ø4-5	11/5/2015
12	Corn	Syngenta	MIR162	SYN-IR162-4	11/5/2015
13	Corn	Syngenta	MIR604xGA21	SYN-IR6Ø4- 5xMON-ØØ21-9	11/5/2015
14	Corn	Monsanto	MON 87460	MON 8746Ø-4	8/2/2017
15	Corn	Monsanto	MON87427	MON-87427-7	1/23/2021
16	Corn	Dow AgroSciences LLC	DAS-40278-9	DAS-4Ø278-9	2/27/2021
17	Corn	DuPont (Pioneer Hi-Bred International Inc.)	4114	DP-ØØ4114-3	1/7/2022
18	Corn	Monsanto	MON87411	MON-87411-9	4/27/2022
19	Corn	Syngenta	MZIR098	SYN-ØØØ98-3	4/27/2022
20	Corn	Syngenta	5307	SYN-Ø53Ø7-1	10/13/2022
21	Corn	Monsanto	NK603XMON810	MON-ØØ6Ø3-6 x MON-ØØ81Ø- 6	12/30/2022
22	Soybean	Bayer CropScience	FG 72	MST-FGØ72-2	1/23/2021
23	Soybean	DuPont	DP305423	DP-3Ø5423-1	1/23/2021

24	Soybean	Monsanto	MON87701	MON-877Ø1-2	7/16/2015
25	Soybean	DuPont (Pioneer Hi-Bred International Inc.)	DP356043	DP-356Ø43-5	11/5/2015
26	Soybean	Bayer CropScience	A5547-127	ACS-GMØØ6-4	11/5/2015
27	Soybean	Monsanto	MON 87708	MON-877Ø8-9	8/2/2017
28	Soybean	BASF	CV127	BPS-CV127-9	8/2/2017
29	Soybean	Monsanto	MON87705	MON-877Ø5-6	8/2/2017
30	Soybean	Dow AgroSciences LLC	DAS-44406-6	DAS-444Ø6-6	2/27/2021
31	Soybean	Monsanto	MON89788	MON-89788-1	2/27/2021
32	Soybean	Monsanto	MON40-3-2	MON-Ø4Ø32-6	2/27/2021
33	Soybean	Bayer CropScience	A2704-12	ACS-GMØØ5-3	2/27/2021
34	Soybean	BASF	SYHT0H2	SYN-ØØØH2-5	1/7/2022
35	Soybean	Monsanto	MON87751	MON-87751-7	4/27/2022
36	Soybean	Dow AgroSciences LLC	DAS81419	DAS-81419-2	4/27/2022

Table 2 Approved products from approved GE *Aspergillus oryzae*

No	Microorganism	Developer	Unique Identifier Code	Product	Approval Date
----	---------------	-----------	------------------------	---------	---------------

1	<i>Aspergillus oryzae</i>	LIVZYM AS	LIVZ-101	Enzyme - Alpha-amylase (α -amylase)	5/6/2020
2	<i>Aspergillus oryzae</i>	LIVZYM AS	LIVZ-102	Enzyme - Glucoamylase	5/6/2020
3	<i>Aspergillus oryzae</i>	LIVZYM AS	LIVZ-103	Enzyme - Hemicellulase	5/6/2020
4	<i>Aspergillus oryzae</i>	LIVZYM AS	LIVZ-105	Enzyme Protease/Mucorpepsin EC 3.4.23.23	1/7/2022
5	<i>Aspergillus oryzae</i>	LIVZYM AS	LIVZ-104	Enzyme - Phytase	4/27/2022
6	<i>Aspergillus oryzae</i>	LIVZYM AS	LIVZ-106	Enzyme - Lipase/Triacylglycerol Lipase (EC 3.11.3)	10/13/2022
7	<i>Aspergillus oryzae</i>	LIVZYM AS	LIVZ-107	Enzyme - Glucose Oxidase	10/13/2022
8	<i>Aspergillus oryzae</i>	LIVYZM AS	LIV-108	Mixture of Endo-1,4- beta-glucanase (E.C.3.2.1.4) and Endo- 1,4-beta-xylanase (E.C.3.2.1.8)	10/13/2022
9	<i>Aspergillus oryzae</i>	BIOWASTE	BT-101	Inactivated microbial biomass	10/13/2022

Attachments:

No Attachments.