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Report Name: New and Renewed Biosafety Certificates Issued -
December 2024

Country: China - People's Republic of

Post: Beijing

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Report Highlights:

On December 31, 2024, the Ministry of Agriculture and Rural Affairs (MARA) announced the issuance of new and renewed biosafety certificates for genetically engineered (GE) events. The announcement includes seven renewed and one new biosafety certificate for GE crops approved for import as processing materials, five new biosafety certificates for gene-edited events for domestic cultivation and processing including the first gene-edited rice event, one renewed and eight new biosafety certificates for GE crops approved for domestic cultivation and processing, four biosafety certificates to expand valid area, seven renewed and five new biosafety certificates for genetically modified microorganisms (GMMs) for animal use, one renewed biosafety certificate for GMMs for plant use and 33 renewed biosafety certificates for GE cotton approved for domestic cultivation and processing. The validity period of new and renewed biosafety certificates is five years.

Summary:

On December 31, 2024, MARA announced the issuance of new and renewed biosafety certificates for GE events. The announcement includes one new and seven renewed certificates for GE crops approved for import as processing materials, including pest resistant and herbicides tolerance soybean event GMB151 developed by BASF, one renewed GE corn event developed by Bayer, one renewed GE corn event developed by Corteva (applicant's name is Pioneer International Seeds), three renewed GE corn events developed by Syngenta, two renewed GE cotton events developed by BASF.

The announcement also includes several new and renewed certificates for domestic cultivation and processing, including two new certificates for gene-edited soybean events, one new certificate for a gene-edited corn event, one new certificate for a gene-edited rice event (the first of its kind) and one new certificate for a gene-edited wheat event, five new certificates for GE corn events, three new certificates for GE soybean events, one renewed certificate for GE corn events, and the valid areas of three GE corn events and one GE cotton event have expanded from certain suitable ecological zones to the whole country. The announcement also includes seven renewed and five new biosafety certificates for GMMs for animal use (vaccines, biopharmaceuticals and feed additives use), and one renewed biosafety certificate for GMMs for plant use.

The six lists (in Chinese) are available on the MARA webpage for agricultural biotechnology:

- The MARA list of Biotech Crops Approved for Import as Processing Materials is available [here](#).
- The MARA list of GE Crops Approved for Domestic Cultivation and Processing is available [here](#).
- The MARA list of Gene-Edited Crops Approved for Cultivation/Processing is available [here](#).
- The MARA list of Biotech Events Approved for Cultivation and Processing (GMMs for Animal Use) is available [here](#).
- The MARA list of Biotech Events Approved for Cultivation and Processing (GMMs for Plant Use) is available [here](#).
- The MARA list of GE cotton renewal is available [here](#).

This report contains an unofficial translation of the above-mentioned lists except for the GE cotton renewal list. For additional information on China's biosafety certificates and approval process, please see the [GAIN 2024 China Agricultural Biotechnology Annual Report](#).

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Table 1. China: Biotech Crops Approved for Import as Processing Materials in December 2024

No.	Event	Approval Issued Date	Developer	Biosafety certificate validity
1	Pest resistant and herbicide tolerant corn MON87411 (renewal)	December 29, 2020	Bayer	Dec.25 2, 2024-Dec.24, 2029
2	Herbicide resistant corn DAS-40278-9 (renewal)	June 12, 2017	Pioneer International Seed Company*	Dec.25 2, 2024-Dec.24, 2029
3	Insect resistance and herbicide tolerance corn Bt11×GA21 (renewal)	November 3, 2011	Syngenta	Dec.25 2, 2024-Dec.24, 2029
4	Insect resistant corn 5307 (renewal)	July 16, 2017	Syngenta	Dec.25 2, 2024-Dec.24, 2029
5	Insect resistance corn MIR162 (renewal)	December 11, 2014	Syngenta	Dec.25 2, 2024-Dec.24, 2029
6	Herbicide tolerant cotton GHB614 (renewal)	December 30, 2010	BASF	Dec.25 2, 2024-Dec.24, 2029
7	Herbicide tolerant cotton LLCotton25 (renewal)	December 20, 2006	BASF	Dec.25 2, 2024-Dec.24, 2029
8	Pest resistant and herbicide tolerant soybean GMB151 (new approval)	December 25, 2024	BASF	Dec.25 2, 2024-Dec.24, 2029

*FAS China Comment: At the time of original application, the event was submitted by Dow AgroSciences. The event now belongs to Corteva.

Table 2. China: GE Crops Approved for Domestic Cultivation and Processing in December 2024

No.	Event	Developer	Valid Area	Biosafety Certificate Validity
1	Transgenic epsps and pat genes herbicide-tolerant corn DBN9858 (renewal)	Beijing DaBeiNong Biotechnology Co., Ltd.	Nationwide	Dec.25 2, 2024-Dec.24, 2029
2	Transgenic cry1Ab, cry1F and cp4epsps genes insect-resistant and herbicide-tolerant corn BFL4-2 (valid area expansion)	Beijing Guofeng Biotechnology Co., Ltd.	Nationwide	Dec.25 2, 2024-Dec.24, 2029
3	Transgenic maroACC gene herbicide-	Beijing Liangyuan Biotechnology	Nationwide	Dec.25 2, 2024-Dec.24,

	tolerant corn CC-2 (valid area expansion)	Co., Ltd.		2029
4	Transgenic mcry1Ab and mcry2Ab genes insect-resistant corn ND207(valid area expansion)	Beijing Liangyuan Biotechnology Co., Ltd.	Nationwide	Dec.25 2, 2024-Dec.24, 2029
5	Transgenic gr79epsps and gat genes herbicide-tolerant cotton GGK2(valid area expansion)	Xinjiang Guoxin Seed Industry Co., Ltd. Institute of Biotechnology, Chinese Academy of Agricultural Sciences	Nationwide	Dec.25 2, 2024-Dec.24, 2029
6	Polymerized mcry1Ab, mcry2Ab, maroACC gene insect-resistant and herbicide-tolerant corn ND207×CC-2 (new approval)	Beijing Liangyuan Biotechnology Co., Ltd.	Nationwide	Dec.25 2, 2024-Dec.24, 2029
7	Transgenic vip3Aa-k1, cry1Ab and pat genes insect-resistant and herbicide-tolerant corn QY2569-42(new approval)	Qingdao Qingyuan Seed Science Co., Ltd.	Nationwide	Dec.25 2, 2024-Dec.24, 2029
8	Transgenic bar and epsps genes herbicide tolerant corn ZZM032(new approval)	China Seed Group Co., Ltd.	Nationwide	Dec.25 2, 2024-Dec.24, 2029
9	Transgenic eCry1Gb.1Ig-03 gene insect-resistant corn MZIR260(new approval)	China Seed Group Co., Ltd.	Nationwide	Dec.25 2, 2024-Dec.24, 2029
10	Transgenic cry1A.105, cry2Ab2, vip3Aa19 and cp4epsps genes insect-resistant and herbicide-tolerant corn KJ1003(new approval)	Kejidalong (Beijing) Biotechnology Co., Ltd.	Nationwide	Dec.25 2, 2024-Dec.24, 2029
11	Polymerized epsps, pat, mvip3Aa, pat genes insect-resistant and herbicide-tolerant soybeans DBN9004×DBN8002(new approval)	Beijing DaBeiNong Biotechnology Co., Ltd.	Nationwide	Dec.25 2, 2024-Dec.24, 2029
12	Transgenic cry1Ac, cry2Ab2 and pat genes insect-resistant and herbicide-tolerant soybean DBN8205(new approval)	Beijing DaBeiNong Biotechnology Co., Ltd.	Nationwide	Dec.25 2, 2024-Dec.24, 2029
13	Transgenic CdP450 and cp4epsps genes herbicide-tolerant soybean XP-2(new approval)	Hangzhou Ruifeng Biotechnology Co, Ltd.	Nationwide	Dec.25 2, 2024-Dec.24, 2029

Table 3. China: Gene-Edited Crops Approved for Cultivation/Processing in December 2024

No.	Event	Developer	Valid Area	Biosafety Certificate Validity
1	Mutated GmLn gene to improve soybean yield traits QH64112 (new approval)	Suzhou Qi-Biodesign Biotechnology Company Limited Beijing Qi-Biodesign Biotechnology Company Limited	Nationwide	Dec.25 2, 2024-Dec.24, 2029
2	Mutated GmE1 and GmE1Lb genes to improve soybeans physiological traits E001SYFT (new approval)	China Seed Group Co., Ltd.	Nationwide	Dec.25 2, 2024-Dec.24, 2029
3	Mutated ZmNL4 gene to improve corn yield traits KN-NL4-2 (new approval)	Weimi Biotechnology (Hainan) Co., Ltd. Huazhong Agricultural University	Nationwide	Dec.25 2, 2024-Dec.24, 2029
4	Mutated Wx gene to improved rice quality traits 118-9-15 (new approval)	Suzhou Qi-Biodesign Biotechnology Company Limited Jiangsu Academy of Agricultural Sciences Beijing Qi-Biodesign Biotechnology Company Limited	Nationwide	Dec.25 2, 2024-Dec.24, 2029
5	Mutated TaALS gene herbicide-tolerant wheat TaALS-4 (new approval)	Suzhou Qi-Biodesign Biotechnology Company Limited	Nationwide	Dec.25 2, 2024-Dec.24, 2029

No.	Event	Developer	Valid Area	Biosafety Certificate Validity
		Institute of Genetics and Developmental Biology, Chinese Academy of Sciences		

Table 4. China: Biotech Events Approved for Cultivation and Processing (GMMs for Animal Use) in December 2024

No.	Event	Developer	Type	Biosafety certificate validity
1	High-temperature phytase expressed by recombinant <i>Pichia pastoris</i> GS115 (pPIC9-AppaT75) (renewal)	Beijing Animal Husbandry and Veterinary Research Institute of Chinese Academy of Agricultural Sciences	Feed Additives	Dec.25 2, 2024-Dec.24, 2029
2	β -glucosidase expressed by recombinant <i>Pichia pastoris</i> GS115 (pPIC9-BGL739) (renewal)	Beijing Animal Husbandry and Veterinary Research Institute of Chinese Academy of Agricultural Sciences	Feed Additives	Dec.25 2, 2024-Dec.24, 2029
3	Xylanase expressed by recombinant <i>Pichia pastoris</i> GS115 (pPIC9-XynNA) (renewal)	Beijing Animal Husbandry and Veterinary Research Institute of Chinese Academy of Agricultural Sciences	Feed Additives	Dec.25 2, 2024-Dec.24, 2029
4	alpha-amylase expressed by recombinant <i>Bacillus licheniformis</i> BML612-LATori1CAP75 (renewal)	Danisco America, Inc.	Feed Additives	Dec.25 2, 2024-Dec.24, 2029
5	Recombinant turkey herpes virus live vector vaccine expressing chicken infectious bursal disease virus VP2	Nanchang Boehringer Ingelheim Animal Health Co., Ltd. Boehringer Ingelheim Animal	Vaccine	Dec.25 2, 2024-Dec.24, 2029

No.	Event	Developer	Type	Biosafety certificate validity
	gene HVT-013 (renewal)	Health GmbH, Germany		
6	Protease expressed by recombinant Bacillus subtilis BG3600-1425-3D (renewal)	Danisco America, Inc.	Feed Additives	Dec.25 2, 2024-Dec.24, 2029
7	Live attenuated rabies virus vaccine with G protein 333 site mutation ERA-GP333 (renewal)	Harbin Veterinary Research Institute, Chinese Academy of Agricultural Sciences	Vaccine	Dec.25 2, 2024-Dec.24, 2029
8	Lysozyme expressed by recombinant Pichia pastoris GS115 (pPIC9K-LYC7) (new approval)	Shanghai Fuhuaxing Biotechnology Co., Ltd.	Feed Additives	Dec.25 2, 2024-Dec.24, 2029
9	Recombinant turkey herpes virus live vector vaccine ZKF2 expressing Newcastle disease virus F gene, infectious laryngotracheitis virus gD and gI genes (new approval)	Zoetis Biopharmaceutical Co., Ltd. Guangzhou Jinmiao Animal Health Technology Co., Ltd.	Vaccine	Dec.25 2, 2024-Dec.24, 2029
10	Recombinant Lactobacillus plantarum live vector vaccine Lp/27 expressing Eimeria tenella EtMIC2 and SO7 genes (new approval)	Jilin Agricultural University Shandong Baolaililai Bioengineering Co., Ltd.	Vaccine	Dec.25 2, 2024-Dec.24, 2029
11	Live porcine pseudorabies virus vaccine lacking gE and TK genes HNQYY2012ΔgE/TK (new approval)	Henan Agricultural University	Vaccine	Dec.25 2, 2024-Dec.24, 2029
12	Porcine pseudorabies virus vaccine PRVSDN8-gE-/gI-/TK- with deletion of gE, gI and TK genes (new approval)	Wuhan Keqian Biological Co., Ltd.	Vaccine	Dec.25 2, 2024-Dec.24, 2029

Table 5. Biotech Events Approved for Cultivation and Processing (GMMs for Plant Use) in December 2024

No.	Event	Developer	Valid Area	Biosafety Certificate Validity
1	Bacillus thuringiensis G033A transduced with cry3Aa gene (renewal)	Institute of Plant Protection, Chinese Academy of Agricultural Sciences	Nationwide	Dec.25 2, 2024-Dec.24, 2029

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Attachments:

No Attachments.