

Voluntary Report – Voluntary - Public Distribution

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

Country: China - People's Republic of

Post: Beijing

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Report Highlights:

On January 18, 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 one renewed and two new biosafety certificates issued for GE crops approved for import as processing materials, two new biosafety certificates issued for gene-edited events for domestic cultivation and processing, two renewed and 17 new biosafety certificates issued for GE crops approved for domestic cultivation and processing, five renewed and seven new biosafety certificates for genetically modified microorganisms (GMMs) for animal use, and 29 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 January 18, 2024, MARA announced the issuance of new and renewed biosafety certificates for genetically engineered (GE) events. The announcement includes two new and one renewed certificate issued for GE crops approved for import as processing materials, including one renewed GE cotton event developed by Bayer, one new GE corn event developed by Corteva (applicant's name is Pioneer International Seeds), and one new GE soybean event developed by Chinese developer DaBeiNong (this event was previously approved for domestic cultivation by Argentina in November 2022 and approved by MARA for domestic cultivation and processing in April 2023).

The announcement also includes two new certificates issued for gene-edited soybean events for domestic cultivation and processing, 11 new certificates for GE corn events for domestic cultivation and processing, five new certificates for GE soybean events for domestic cultivation and processing, one new certificate for GE cotton event for domestic cultivation and processing, two renewed certificates for GE corn events for domestic cultivation and processing, five renewed certificates for GMMs for animal use (vaccines, biopharmaceuticals and feed additives use), seven new certificates for GMMs for animal use, and 29 renewed certificates for GE cotton events. All new and renewed biosafety certificates are valid for five years.

The five 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 Gene-Edited Events 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 Crops Approved for Domestic Cultivation and Processing is available [here](#);

The MARA list of Biotech Crops Approved for Domestic Cultivation and Processing (GM cotton renewal) is available [here](#).

This report contains an unofficial translation of the above-mentioned lists. For additional information on China's biosafety certificates and approval process, please see the [2023 China: Agricultural Biotechnology Annual Report](#)

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

No.	Event	Approval Issued Date	Developer	Biosafety certificate validity
1	Trans-cry1Ac and cry2Ab2 insect resistant cotton MON15985 (renewal)	July 20, 2006	Bayer	Jan. 2, 2024-Jan.1, 2029
2	Trans-mvip3Aa and pat genes insect resistant and herbicide tolerant soybean DBN8002 (new approval)	January 2, 2024	Beijing DaBeiNong Biotechnology Co., Ltd.	Jan. 2, 2024-Jan.1, 2029
3	Trans- zmm28 and mo-pat genes herbicide tolerant corn DP202216 (new approval)	January 2, 2024	Pioneer International Seed Company*	Jan. 2, 2024-Jan.1, 2029

*FAS China Comment: At the time of original application, the event was submitted by Pioneer International Seed Company. The event now belongs to Corteva.

Table 2. China: Gene-Edited Events Approved for Cultivation/Processing in January 2024

No.	Event	Developer	Valid Area	Biosafety Certificate Validity
1	Mutated GmELF3a gene to improve soybean physiological traits 25T93-1 (new approval)	Shandong BellaGen Biotechnology Co., Ltd.	National wide	Jan. 2, 2024-Jan.1, 2029
2	Mutated GmFAD2-1A and GmFAD2-1B gene to improve quality traits soybean P16 (new approval)	Qi-Biodesign Biotechnology Company Limited	National wide	Jan. 2, 2024-Jan.1, 2029

Table 3. China: Biotech Events Approved for Cultivation and Processing (GMMs for Animal Use) in January 2024

No.	Event	Developer	Type	Biosafety certificate validity
1	α -galactosidase expressed by recombinant <i>Pichia pastoris</i> GS115 (pPIC9-agaF75) (renewal)	Beijing Animal Husbandry and Veterinary Research Institute of Chinese Academy of Agricultural Sciences	Feed Additives	Jan. 2, 2024-Jan.1, 2029
2	β -mannanase expressed by recombinant <i>Pichia pastoris</i> GS115 (pPIC9-MAN1) (renewal)	Beijing Animal Husbandry and Veterinary Research Institute of Chinese Academy of Agricultural Sciences	Feed Additives	Jan. 2, 2024-Jan.1, 2029
3	Chicken alpha interferon expressed by recombinant <i>E. coli</i> BL21 (pET21a(+)-ChIFN α) (renewal)	Tianjin Shengji Group Co.,Ltd.	Biopharmaceuticals	Jan. 2, 2024-Jan.1, 2029
4	Bovine granulocyte colony-stimulating factor expressed by recombinant <i>E. coli</i> BL21/pET30a/Bg-CSF (renewal)	Tianjin Zhongsheng Challenge Biotechnology Co., Ltd.	Biopharmaceuticals	Jan. 2, 2024-Jan.1, 2029
5	Phytase expressed by recombinant <i>Aspergillus oryzae</i> COIs741 (renewal)	Novozymes Co., Ltd	Feed Additives	Jan. 2, 2024-Jan.1, 2029
6	Shiga toxin genetically engineered subunit vaccine expressed by recombinant <i>Escherichia coli</i> IDT221/001 (new approval)	Beijing Representative Office of German Aidit Biotech Co., Ltd.	Vaccine	Jan. 2, 2024-Jan.1, 2029
7	Protease expressed by recombinant <i>Bacillus licheniformis</i> NZJs-AHN (new approval)	Novozymes Co., Ltd	Feed Additives	Jan. 2, 2024-Jan.1, 2029
8	Recombinant turkey herpes expressing New approvalcastle disease virus F	Zoetis Biopharmaceutical Co., Ltd. Company	Vaccine	Jan. 2, 2024-Jan.1, 2029

No.	Event	Developer	Type	Biosafety certificate validity
	gene Live viral vector vaccine ZKB3 (new approval)	Guangzhou Jinmiao Animal Health Technology Ltd.		
9	Expression of New approvalcastle Disease Virus F Gene and Chicken Infectious Disease Recombinant turkey herpes virus with VP2 gene of cystic disease virus Vector vaccine rHVT-ND-IBD60.63 (new approval)	MSD (Ningbo) Animals Health Technology Co., Ltd.	Vaccine	Jan. 2, 2024-Jan.1, 2029
10	Expression of New approvalcastle Disease Virus F Gene and Chicken Infectious Disease Recombinant turkey herpes virus live vector with cystovirus VP2 gene In vivo vaccine ZKA10 (new approval)	Zoetis Biopharmaceutical Co., Ltd. Company Guangzhou Jinmiao Animal Health Technology Ltd.	Vaccine	Jan. 2, 2024-Jan.1, 2029
11	Expression of avian reticuloendotheliosis virus LTR gene Recombinant chicken Marek's disease virus live vector vaccine CVRM2-RN1250 (new approval)	Germany Boehringer Ingelheim, Animal Health Ltd.	Vaccine	Jan. 2, 2024-Jan.1, 2029
12	Recombinant Chinese Hamster Ovary Cells CHO (pEE dual-chAb) Expresses Chicken Infectious Bursa of Fabricius VP2 protein therapeutic preparations (new approval)	Qianyuanhao Biological Co., Ltd. Northeast Agricultural University	Biopharmaceuticals	Jan. 2, 2024-Jan.1, 2029

Table 4. China: Biotech Crops Approved for Domestic Cultivation and Processing in January 2024

No.	Event	Developer	Valid Area	Biosafety Certificate Validity
1	Trans cry1Ab and epsps genes insect resistant and herbicide tolerant corn DBN9936 (renewal)	Beijing DaBeiNong Biotechnology Co., Ltd.	National wide	Jan. 2, 2024-Jan.1, 2029
2	Trans cry1Ab/cry2Aj gene insect resistant corn Ruifeng 125 (renewal)	Hangzhou Ruifeng Biotechnology Co, Ltd.	Northern spring corn area, northwest corn area, Huanghuaihai summer corn area	Jan. 2, 2024-Jan.1, 2029
3	Polymer cry1Ab, epsps, vip3Aa19, pat gene insect resistant and herbicide tolerant corn DBN3601T (new approval)	Beijing DaBeiNong Biotechnology Co., Ltd.	National wide	Jan. 2, 2024-Jan.1, 2029
4	Transgenic CdP450 and cp4epsps genes herbicide tolerant corn nCX-1 (new approval)	Hangzhou Ruifeng Biotechnology Co, Ltd.	National wide	Jan. 2, 2024-Jan.1, 2029
5	Polymer cry1Ab, pat, mepsps gene insect resistant and herbicide resistant corn Bt11×GA21 (new approval)	China Seed Group Co., Ltd.	National wide	Jan. 2, 2024-Jan.1, 2029
6	Polymer cry1Ab, pat, vip3Aa20, mepsps gene insect resistant and herbicide-resistant corn Bt11×MIR162×GA21 (new approval)	China Seed Group Co., Ltd.	National wide	Jan. 2, 2024-Jan.1, 2029
7	Trans mepsps gene herbicide tolerant corn GA21 (new approval)	China Seed Group Co., Ltd.	National wide	Jan. 2, 2024-Jan.1, 2029
8	Trans epsps and pat genes to herbicide tolerant soybean DBN9004 (new approval)	Beijing DaBeiNong Biotechnology Co., Ltd.	National wide	Jan. 2, 2024-Jan.1, 2029
9	Trans cry1Ab/vip3Da gene insect resistant soybean CAL16 (new approval)	Hangzhou Ruifeng Biotechnology Co, Ltd.	National wide	Jan. 2, 2024-Jan.1, 2029

10	Trans g2-epsps and gat genes herbicide resistant soybean Zhonghuang 6106 (new approval)	Crop Sciences Institute of Chinese Academy of Agricultural Sciences, China Seed Group Co., Ltd.	National wide	Jan. 2, 2024-Jan.1, 2029
11	Polymer cry1Ab, cry2Ab, CdP450, cp4epsps gene insect resistant and herbicide tolerant corn Zhejiang University Ruifeng 8×nCX-1 (new approval)	Hangzhou Ruifeng Biotechnology Co, Ltd.	National wide	Jan. 2, 2024-Jan.1, 2029
12	Polymer cry1Ab/cry2Aj, g10evo-epsps, CdP450, cp4epsps gene insect resistant and herbicide tolerant corn Ruifeng 125×nCX-1 (new approval)	Hangzhou Ruifeng Biotechnology Co, Ltd.	National wide	Jan. 2, 2024-Jan.1, 2029
13	Trans cry2Ab, cry1Fa, cry1Ab and epsps genes insect resistant and herbicide tolerant corn LP026-2	Longping Biotechnology (sea south) Co., Ltd.	National wide	Jan. 2, 2024-Jan.1, 2029
14	Trans epsps and pat genes herbicide tolerant corn LW2-1 (new approval)	Longping Biotechnology (sea south) Co., Ltd.	National wide	Jan. 2, 2024-Jan.1, 2029
15	Trans am79epsps gene herbicide tolerant corn WYN17132 (new approval)	Zhejiang Xin'an Chemical Group Co., Ltd.	National wide	Jan. 2, 2024-Jan.1, 2029
16	Trans cry1Ab and am79epsps genes insect resistance and herbicide tolerance Corn WYN041 (new approval)	Zhejiang Xin'an Chemical Group Co., Ltd.	National wide	Jan. 2, 2024-Jan.1, 2029
17	Trans cp4epsps gene herbicide tolerant soybeans WYN341GmC (new approval)	Zhejiang Xin'an Chemical Group Co., Ltd.	National wide	Jan. 2, 2024-Jan.1, 2029
18	Transg mam79epsps gene herbicide tolerant soybeans WYN029GmA (new approval)	Zhejiang Xin'an Chemical Group Co., Ltd.	National wide	Jan. 2, 2024-Jan.1, 2029
19	Trans gr79epsps and gat genes into herbicide-tolerant cotton Ggk2 (new approval)	Xinjiang Guoxin Seed Industry Co., Ltd. Institute of Biotechnology, Chinese Academy of Agricultural Sciences	Yellow River Basin, Inland Northwest	Jan. 2, 2024-Jan.1, 2029

Table 5. China: Biotech Crops Approved for Domestic Cultivation and Processing (GM cotton renewal) in January 2024

No.	Event	Developer	Ecological Zone	Biosafety Certificate Validity
1	Trans-cry1Ab/cry1Ac insect-resistant cotton Han 6305 (renewal)	Handan Academy of Agricultural Sciences	Yellow River Basin	Jan. 2, 2024-Jan.1, 2029
2	Trans-cry1Ab/cry1Ac insect-resistant cotton Han 8266 (renewal)	Handan Academy of Agricultural Sciences	Yellow River Basin	Jan. 2, 2024-Jan.1, 2029
3	Trans-cry1Ab/cry1Ac insect-resistant cotton Han 1026 (renewal)	Handan Academy of Agricultural Sciences	Yellow River Basin	Jan. 2, 2024-Jan.1, 2029
4	Trans-cry1Ab/cry1Ac insect-resistant cotton Han 5123 (renewal)	Handan Academy of Agricultural Sciences	Yellow River Basin	Jan. 2, 2024-Jan.1, 2029
5	Trans-cry1Ab/cry1Ac insect-resistant cotton Hanza 160 (renewal)	Handan Academy of Agricultural Sciences	Yellow River Basin	Jan. 2, 2024-Jan.1, 2029
6	Trans-cry1Ab/cry1Ac insect-resistant cotton JX2101 (renewal)	Handan Academy of Agricultural Sciences, Hebei Agricultural University	Yellow River Basin	Jan. 2, 2024-Jan.1, 2029
7	Trans-cry1Ab/cry1Ac insect-resistant cotton XP7 (renewal)	Shijiazhuang Xiputianyuan Seed Industry Co., Ltd.	Yellow River Basin	Jan. 2, 2024-Jan.1, 2029
8	Trans-cry1Ab/cry1Ac insect-resistant cotton Xipu No. 3 (renewal)	Shijiazhuang Xiputianyuan Seed Industry Co., Ltd.	Yellow River Basin	Jan. 2, 2024-Jan.1, 2029
9	Trans- cry1Ab/cry1Ac insect-resistant cotton Xipu No. 6(renewal)	Shijiazhuang Xiputianyuan Seed Industry Co., Ltd.	Yellow River Basin	Jan. 2, 2024-Jan.1, 2029
10	Trans- cry1Ab/cry1Ac insect-resistant cotton Zhongmian 9001 (renewal)	Cotton Research Institute, Chinese Academy of Agricultural Sciences	Yellow River Basin	Jan. 2, 2024-Jan.1, 2029
11	Trans- cry1Ab/cry1Ac insect-resistant cotton Zhongmian 9101 (renewal)	Cotton Research Institute, Chinese Academy of	Yellow River Basin	Jan. 2, 2024-Jan.1, 2029

		Agricultural Sciences		
12	Trans- crylAb/crylAc insect-resistant cotton Zhongmian 9131(renewal)	Cotton Research Institute, Chinese Academy of Agricultural Sciences	Yellow River Basin	Jan. 2, 2024-Jan.1, 2029
13	Trans- crylAb/crylAc insect-resistant cotton Zhongmian 9213 (renewal)	Cotton Research Institute, Chinese Academy of Agricultural Sciences	Yellow River Basin	Jan. 2, 2024-Jan.1, 2029
14	Trans- crylAb/crylAc insect-resistant cotton Zhongmian 9421 (renewal)	Cotton Research Institute, Chinese Academy of Agricultural Sciences	Yellow River Basin	Jan. 2, 2024-Jan.1, 2029
15	Trans- crylAb/crylAc insect-resistant cotton Zhongmian 9934 (renewal)	Cotton Research Institute, Chinese Academy of Agricultural Sciences	Yellow River Basin	Jan. 2, 2024-Jan.1, 2029
16	Trans- crylAb/crylAc insect-resistant cotton Zhongmiansuo 9A07(renewal)	Cotton Research Institute, Chinese Academy of Agricultural Sciences	Yellow River Basin	Jan. 2, 2024-Jan.1, 2029
17	Trans- crylAb/crylAc insect-resistant cotton Zhongmiansuo 9B07 (renewal)	Cotton Research Institute, Chinese Academy of Agricultural Sciences	Yellow River Basin	Jan. 2, 2024-Jan.1, 2029
18	Trans- crylAb/crylAc insect-resistant cotton Zhongmiansuo 9C07 (renewal)	Cotton Research Institute, Chinese Academy of Agricultural Sciences	Yellow River Basin	Jan. 2, 2024-Jan.1, 2029
19	Trans- crylAb/crylAc insect-resistant cotton Zhongmiansuo 9D07 (renewal)	Cotton Research Institute, Chinese Academy of Agricultural Sciences	Yellow River Basin	Jan. 2, 2024-Jan.1, 2029
20	Trans- crylAb/crylAc insect-resistant cotton Zhongmiansuo 9E01 (renewal)	Cotton Research Institute, Chinese Academy of Agricultural Sciences	Yellow River Basin	Jan. 2, 2024-Jan.1, 2029
21	Trans- crylAb/crylAc insect-resistant cotton Huahui No. 18 (renewal)	Hubei Huimin Agricultural Science and Technology Ltd.	Yangtze River Basin	Jan. 2, 2024-Jan.1, 2029
22	Trans- crylAb/crylAc insect-resistant cotton	Hunan Agricultural	Yangtze River Basin	Jan. 2, 2024-Jan.1,

	X388 (renewal)	University		2029
23	Trans- crylAb/crylAc insect-resistant cotton JZ0919 (renewal)	Hunan Agricultural University	Yangtze River Basin	Jan. 2, 2024-Jan.1, 2029
24	Trans- crylAb/crylAc insect-resistant cotton XG-2 (renewal)	Jingzhou Xiaguang Agricultural Science Experiment Station	Yangtze River Basin	Jan. 2, 2024-Jan.1, 2029
25	Trans- crylAb/crylAc insect-resistant cotton Zhongmian 9102 (renewal)	Cotton Research Institute, Chinese Academy of Agricultural Sciences	Yangtze River Basin	Jan. 2, 2024-Jan.1, 2029
26	Trans- crylAb/crylAc insect-resistant cotton Zhongmian 9134(renewal)	Cotton Research Institute, Chinese Academy of Agricultural Sciences	Yangtze River Basin	Jan. 2, 2024-Jan.1, 2029
27	Trans- crylAb/crylAc insect-resistant cotton Zhongmian 9003(renewal)	Cotton Research Institute, Chinese Academy of Agricultural Sciences	Inland Northwest	Jan. 2, 2024-Jan.1, 2029
28	Trans- crylAb/crylAc insect-resistant cotton Zhongmian 9978 (renewal)	Cotton Research Institute, Chinese Academy of Agricultural Sciences	Inland Northwest	Jan. 2, 2024-Jan.1, 2029
29	Trans- crylAb/crylAc insect-resistant cotton Zhongmiansuo 9A08 (renewal)	Cotton Research Institute, Chinese Academy of Agricultural Sciences	Inland Northwest	Jan. 2, 2024-Jan.1, 2029

END UNOFFICIAL TRANSLATION

Attachments:

No Attachments.