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Report Highlights:

On March 19, 2024, the People's Republic of China (PRC) National Crop Variety Registration Committee (CNCVRC) published a second variety registration list for genetically modified (GM) corn and soybeans. The list includes 27 GM corn varieties and three GM soybean varieties and is open for public comment for 30 days, or until April 17, 2024. The new list follows the PRC's initial publication of a variety registration list for GM corn and soybeans in October 2023. Once finalized, the newly listed GM corn and soybean varieties will be eligible for planting in approved areas. This report provides an unofficial translation of CNCVRC's announcement, the list of GM corn and soybean varieties that have passed preliminary review, and the yield performance of these varieties.

Summary

On March 19, 2024, CNCVRC published the second GM[1] corn and soybean varieties list (link in Chinese) that has passed the preliminary review of CNCVRC. The public comment period for the announcement is 30 days, or until April 17, 2024. The announcement follows its inaugural GM corn and soybean variety registration list, which was published for comment on October 17, 2023 and finalized December 7, 2023. For additional information on the first batch of the GM variety list, please see GAIN report MARA Announces 51 GM Corn and Soybean Varieties Registered.

The 27 GM corn varieties announced include 14 GM corn varieties utilizing DBN9936, developed by Beijing Da-Bei-Nong Technology Group (DBN), eight varieties utilizing ND207, developed by Beijing Liangyuan Biotechnology Co., Ltd., and three varieties utilizing Ruifeng 125 event, developed by Hangzhou Ruifeng Biosciences Co., Ltd and Zhejiang University. The three GM soybean varieties announced include two varieties utilizing Zhonghuang 6106, developed by Institute of Crop Sciences, Chinese Academy of Agricultural Sciences and one variety utilizing DBN9004, developed by DBN (see Appendix 2 of this report for information on the GM target traits for each variety).

Once finalized, listed GM corn and soybean varieties will be eligible for planting in approved areas, bringing the PRC closer to full commercial cultivation of GM corn and soybeans. However, for the foreseeable future, the varieties are likely to only be planted in PRC approved pilot programs for GM corn and soy, which will limit the scale of planting in 2024.

This report provides an unofficial translation of CNCVRC's announcement, and the list of GM corn and soybean varieties that have passed preliminary review of the fifth CNCVRC, suitable planting regions, and the yield performance of these varieties. The announcement also includes an Introduction of GM corn and soybean varieties that have passed preliminary review of the sixth meeting of the Fifth CNCVRC (link in Chinese), which provides additional information relating to trait characteristics, yield performance, cultivation techniques, and preliminary review opinions. Appendix 2 of this report provides an unofficial translation of the summary on the target traits and yield performance of these varieties.

[1] To maintain consistency with language used in the PRC's announcement, this report refers to Genetically Modified Organisms (GMO) and genetically modified (GM) products instead of Post's preferred nomenclature, genetically engineered (GE).

BEGIN UNOFFICIAL TRANSLATION

Announcement on the Varieties Passing Preliminary Review at the Sixth Meeting of the Fifth China National Crop Variety Registration Committee

According to the "Measures for the Registration of Major Crop Varieties" and the "Regulations on the Naming of Agricultural Plant Varieties", the GM corn and soybean varieties that have passed preliminary review at the sixth variety registration meeting of the fifth CNCVRC and related information are now publicized. The publication period for comment is 30 days (from March 19 to April 17, 2023). After the above-mentioned varieties are registered according to the procedures, the actual planting area should also comply with the relevant arrangements for the national biological breeding commercialization.

During the publication period, if you have any objections, you can report them to the Office of the National Crop Variety Registration Committee. The objector or objecting unit must provide written materials (including contact information) using their real names confirmed by their signature or official seal of the unit.

Contact person and contact information:

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Attachment 1: The list of GM corn and soybean varieties that have passed preliminary review of the fifth CNCVRC

Attachment 2: Introduction of GM corn and soybean varieties that have passed preliminary review of the fifth CNCVRC

China’s National Crop Variety Registration Committee
March 19, 2024

Appendix 1: List of GM Corn and Soybean Varieties That Have Passed Preliminary Review of the Fifth CNCVRC

1. GM Corn Varieties

No.	Variety Name	Varietal Origin	Applicant	Breeder
1	Hengfeng 728D	B2817（DBN9936）×B23	Beijing Huanong Weiye Seed Technology Co., Ltd.	Beijing Huanong Weiye Seed Technology Co., Ltd.
2	Leying 797D	B3191×B609（DBN9936）	Beijing Huanong Weiye Seed Technology Co., Ltd.	Beijing Huanong Weiye Seed Technology Co., Ltd., Jilin Leying Agricultural Technology Co., Ltd.
3	Shengmei 999D	B2817×B609（DBN9936）	Beijing Huanong Weiye Seed Technology Co., Ltd.	Beijing Huanong Weiye Seed Technology Co., Ltd.
4	Yufeng 623K	CX207×CX242（ND207）	Chengde Yufeng Seed Industry Co., Ltd.	Chengde Yufeng Seed Industry Co., Ltd.
5	Tiannongjiu D	T106（DBN9936）×W08	Fushun Tiannong Seed Industry Co., Ltd.	Fushun Tiannong Seed Industry Co., Ltd.
6	Tianyu 616K	YTH002×TCB01（ND207）	Jilin Yuntianhua Seed Industry Co., Ltd.	Jilin Yuntianhua Seed Industry Co., Ltd.
7	Liaoke 38K	H32×H45（ND207）	Beidahuang Kenfeng Seed Industry Co., Ltd.	Beidahuang Kenfeng Seed Industry Co., Ltd.
8	Liaoke 38D	H32（DBN9936）×H45	Beidahuang Kenfeng Seed Industry Co., Ltd.	Beidahuang Kenfeng Seed Industry Co., Ltd.
9	Jingke 968K	Jing 724（ND207）×Jing92	Maize Research Institute of Beijing Academy of Agricultural and Forestry Sciences	Maize Research Institute of Beijing Academy of Agricultural and Forestry Sciences
10	Jinkeyu 3306D	N16082（DBN9936）×X1267	Shanxi Dafeng Seed Industry Co., Ltd.	Shanxi Dafeng Seed Industry Co., Ltd.
11	Huxin 358D	H9-1（DBN9936）×H3-4	Huludao New Agricultural Variety Technology Development Co., Ltd. Anhui Quanyin Hi-Tech Seed Co., Ltd.	Huludao New Agricultural Variety Technology Development Co., Ltd.
12	Rongyu 8K	C13（ND207）×9818	Huludao New Agricultural Variety Technology Development Co., Ltd. Anhui Quanyin Hi-Tech Seed Co., Ltd.	Huludao New Agricultural Variety Technology Development Co., Ltd.

13	Hongkai 706D	H9-1（DBN9936）×HL7-8	Huludao New Agricultural Variety Technology Development Co., Ltd. Anhui Quanyin Hi-Tech Seed Co., Ltd.	Huludao New Agricultural Variety Technology Development Co., Ltd.
14	Hengyu 1D	Z47（DBN9936）× Dian49	Jilin Yuanke Agricultural Development Co., Ltd.	Jilin Yuanke Agricultural Development Co., Ltd.
15	Longken 1755K	X5802×DK301（ND207）	Beidahuang Kenfeng Seed Industry Co., Ltd.	Beidahuang Kenfeng Seed Industry Co., Ltd.
16	Aomei 95D	T8（DBN9936）×T169	Sichuan Tonglu Agricultural Technology Co., Ltd.	Sichuan Tonglu Agricultural Technology Co., Ltd.
17	Heyu 185WG	TH751（Bt11×GA21）×TH19A	China Seed Group Co., Ltd.	China Seed Group Co., Ltd.
18	Liangchuang 808R	CT3566×CT3354（Ruifeng125）	Beijing Lianchuang Seed Industry Co., Ltd.	Beijing Lianchuang Seed Industry Co., Ltd.
19	Jingnongke 728K	JingMC01×Jing2416（ND207）	Maize Research Institute of Beijing Academy of Agricultural and Forestry Sciences	Maize Research Institute of Beijing Academy of Agricultural and Forestry Sciences
20	Dedan 123R	CA24（Ruifeng125）×BB31	Denong Seed Industry Co., Ltd.	Denong Seed Industry Co., Ltd.
21	Nongda 778D	L239（DBN9936）×C116A	China Agricultural University	China Agricultural University
22	Liangyu 99D	Liangyu M03（DBN9936）Liangyu M5972	Dandong Denghai Liangyu Seed Industry Co., Ltd.	Dandong Denghai Liangyu Seed Industry Co., Ltd.
23	Longping 218R	LB03（Ruifeng125）×LJ876	Anhui Longping High-Tech Seed Industry Co., Ltd.	Anhui Longping High-Tech Seed Industry Co., Ltd.
24	Denghai 533K	Denghai22×DH382（ND207）	Shandong Denghai Seed Industry Co., Ltd.	Shandong Denghai Seed Industry Co., Ltd.
25	Denghai 685D	DH382（DBN9936）×DH357-14	Shandong Denghai Seed Industry Co., Ltd.	Shandong Denghai Seed Industry Co., Ltd.

26	Denghai 710D	DH382（DBN9936）×DH357	Shandong Denghai Seed Industry Co., Ltd.	Shandong Denghai Seed Industry Co., Ltd.
27	Huaxingdan 88DT	ZH08（DBN3601T）×QR273	Yunnan Shengyan Seed Industry Co., Ltd.	Yunnan Shengyan Seed Industry Co., Ltd.

2. GM Soybean Varieties

No.	Variety Name	Varietal Origin	Applicant	Breeder
1	Zhongliandou 5046	Fendou99/Zhonguang6106	Institute of Crop Science, Chinese Academy of Agricultural Sciences (CAAS)	Institute of Crop Science, Chinese Academy of Agricultural Sciences (CAAS)
2	Maiyu 4003	zhonghuang35//Zhonghuang13/DBN 9004	Beijing Dabeinong Biotechnology Co., Ltd.	Beijing Dabeinong Biotechnology Co., Ltd.
3	Zhongliandou 6024	Jidou17//Heihe38/Zhonghuang6106	Grain and Oil Crops Research Institute of Hebei Academy of Agriculture and Forestry Sciences, Institute of Crop Science, CAAS	Grain and Oil Crops Research Institute of Hebei Academy of Agriculture and Forestry Sciences, Institute of Crop Science, CAAS

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Appendix 2: Summary of Yield Performance of Listed Varieties –
from an Introduction of GM corn and soybean varieties that have passed preliminary review of the fifth CNCVRC

Target Traits and Yield Performance of GM Corn Varieties

No.	Variety Name	Event Name	GM Target Traits	Yield Performance	Suitable Planting Regions
1	Hengfeng 728D	DBN9936	Resistant to Asian corn borer, tolerant to glyphosate herbicides	Participated in the comprehensive agronomic character test of mid-early maturing spring corn varieties in Northeast and East China in the unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 771 kilograms, an increase of 5.6	It is suitable for the second accumulation temperate zone of Heilongjiang Province in the medium-early maturing spring corn type area in East North China, parts of Yanbian and Baishan City in Jilin Province and the east of Tonghua City and Jilin City, the south of Zhalantun City in Inner Mongolia, the central and northern parts of

				percent compared to the recipient variety.	Xing'an League, and Tongliao. The central part of Zharut Banner, the central and northern part of Chifeng City, the Qianshan of Ulanqab City, the northern part of Hohhot City, the northern early-maturing area of Baotou City, hilly areas with an altitude of 900-1100 meters in Datong City, Shuozhou City, Xinzhou City, Lu City, Taiyuan City, and Yangquan City in Shanxi Province.
2	Leying 797D	DBN9936	Resistant to Asian corn borer and armyworm, and tolerant to glyphosate herbicides	Participated in the comprehensive agronomic character test of middle maturing spring corn varieties in Northeast and East China in the unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 875 kilograms, an increase of 6.3 percent compared to the recipient variety.	It is suitable for the eastern mountainous areas and parts of the northern part of Liaoning Province in the middle maturing spring corn area of Northeast and East China, most areas of Jilin City, Baicheng City, and Tonghua City of Jilin Province, and parts of Liaoyuan City, Changchun City, and Songyuan City, and the first accumulated temperate zone of Heilongjiang Province, parts of Xing'an League, Chifeng City, Tongliao City, Hohhot City, Baotou City, Bayannur City, Ordos City in Inner Mongolia Autonomous Region, the hills of Zhangjiakou City and in the middle manuring area in the central and southern part of Chengde City in Hebei Province.
3	Shengmei 999D	DBN9936	Resistant to Asian corn borer and armyworm, and tolerant to glyphosate herbicides	Participated in the comprehensive agronomic character test of middle maturing spring corn varieties in Northeast and East China in the unified national corn variety trials. The average yield per mu in the 20212production comparison test was 876 kilograms, an increase of 5.7 percent compared to the recipient variety.	It is suitable for the eastern mountainous areas and parts of the northern part of Liaoning Province in the middle maturing spring corn area of Northeast and East China, most areas of Jilin City, Baicheng City, and Tonghua City of Jilin Province, and parts of Liaoyuan City, Changchun City, and Songyuan City, and the first accumulated temperate zone of Heilongjiang Province, parts of Xing'an League, Chifeng City, Tongliao City, Hohhot City, Baotou City, Bayannur City, Ordos City in Inner Mongolia Autonomous Region, the hills of Zhangjiakou City and in the middle manuring area in the central and southern part of Chengde City in Hebei Province, the basin areas of Datong City, Shuozhou City and the hilly areas in central and southeastern Shanxi Province
4	Yufeng 623K	ND207	Resistant to Asian corn borer and armyworm	Participated in the comprehensive agronomic character test of middle maturing spring corn varieties in Northeast and East China in the	It is suitable for the eastern mountainous areas and parts of the northern part of Liaoning Province in the middle maturing spring corn area of Northeast and East China,

				unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 852 kilograms, an increase of 3.7 percent compared to the recipient variety.	most areas of Jilin City, Baicheng City, and Tonghua City of Jilin Province, and parts of Liaoyuan City, Changchun City, and Songyuan City, and the first accumulated temperate zone of Heilongjiang Province, parts of Xing'an League, Chifeng City, Tongliao City, Hohhot City, Baotou City, Bayannur City, Ordos City in Inner Mongolia Autonomous Region, the basin areas of Datong City, Shuozhou City and the hilly areas in central and southeastern Shanxi Province
5	Tiannongjiu D	DBN9936	Resistant to Asian corn borer and armyworm, and tolerant to glyphosate herbicides	Participated in the comprehensive agronomic character test of middle maturing spring corn varieties in Northeast and East China in the unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 864 kilograms, an increase of 3.3 percent compared to the recipient variety.	It is suitable for the middle maturing spring corn area of Northeast and East China, including Fushun City, Tieling City, Benxi City and other areas in Liaoning Province with effective accumulated temperatures above 2650℃, middle maturing corn areas in Jilin Province, and Xing'an League, Chifeng City, Hohhot City, Baotou City, Ordos City of Inner Mongolia Autonomous Region with ≥10℃ accumulated temperatures above 2600℃.
6	Tianyu 616K	ND207	Resistant to Asian corn borer and armyworm	Participated in the comprehensive agronomic character test of middle maturing spring corn varieties in Northeast and East China in the unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 857 kilograms, an increase of 2.3 percent compared to the recipient variety.	It is suitable for middle maturing corn areas in Jilin Province.
7	Liaoke 38K	ND207	Resistant to Asian corn borer and armyworm	Participated in the comprehensive agronomic character test of middle maturing spring corn varieties in Northeast and East China in the unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 871 kilograms, an increase of 4.9 percent compared to the recipient variety.	It is suitable for middle maturing corn areas in Jilin Province.
8	Liaoke 38D	DBN9936	Resistant to Asian corn borer, and tolerant to glyphosate herbicides	Participated in the comprehensive agronomic character test of middle maturing spring corn varieties in Northeast and East China in the unified national corn variety trials. The average yield per mu in the 2021 production comparison	It is suitable for middle maturing spring corn areas in Jilin Province.

				test was 857 kilograms, an increase of 3.4 percent compared to the recipient variety.	
9	Jingke 968K	ND207	Resistant to Asian corn borer and armyworm	Participated in the comprehensive agronomic character test of mid-late maturing spring corn varieties in Northeast and East China in the unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 820 kilograms, an increase of 6.3 percent compared to the recipient variety.	It is suitable for mid-late maturing corn areas in Beijing, Tianjin, Shanxi Province, Chifeng City and Tongliao City of Inner Mongolia Autonomous Region, Liaoning Province (except Dandong), Jilin Province, Yan'an City of Shaanxi Province, Chengde City, Zhangjiakou City and Tangshan City of Hebei Province.
10	Jinkeyu 3306D	DBN9936	Resistant to Asian corn borer, and tolerant to glyphosate herbicides	Participated in the comprehensive agronomic character test of mid-late maturing spring corn varieties in Northeast and East China in the unified national corn variety trials. The average yield per mu in the 2020 production comparison test was 815 kilograms, an increase of 3.2 percent compared to the recipient variety.	It is suitable for the mid-late maturing spring corn area of Northeast and East China, including most areas of Siping City, Songyuan City, and Changchun City, parts of Liaoyuan City, Baicheng City, Jilin City, and southern Tonghua City in Jilin Province, most areas in Liaoning Province except for the eastern mountainous area, Dalian City and Donggang City; most areas of Chifeng City and Tongliao City of Inner Mongolia Autonomous Region, Xinzhou City, Jinzhong City, Taiyuan City, Yangquan City, Changzhi City, Jincheng City, Luliang City Pingchuan District and southern mountainous areas of Shanxi Province, Zhangjiakou City, Chengde City, Qinhuangdao City, Tangshan City, Langfang City, northern Baoding City, northern spring sowing areas of Cangzhou City in Hebei Province, southern Shaanxi Province with an altitude below 900 meters and spring sowing cultivation in the west.
11	Huxin 358D	DBN9936	Resistant to Asian corn borer and armyworm, and tolerant to glyphosate herbicides	Participated in the comprehensive agronomic character test of mid-late maturing spring corn varieties in Northeast and East China in the unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 763 kilograms, an increase of 6.2 percent compared to the recipient variety.	It is suitable for mid-late maturing spring corn area in Liaoning province with ≥10℃ accumulated temperature above 2800℃.
12	Rongyu 8K	ND207	Resistant to Asian corn borer and armyworm	Participated in the comprehensive agronomic character test of mid-late maturing spring corn varieties in Northeast and East China in the unified national corn variety trials. The average	It is suitable for late maturing spring corn area with accumulated temperatures above 3000℃ in Shenyang, Dandong, Dalian, Anshan, Jinzhou, Chaoyang, Huludao in Liaoning Province, and spring sowing in the central and

				yield per mu in the 2022 production comparison test was 785 kilograms, an increase of 7.9 percent compared to the recipient variety.	southern part of Chengde City, Hebei Province.
13	Hongkai 706D	DBN9936	Resistant to Asian corn borer, armyworm, cotton bollworm, and tolerant to glyphosate herbicides	Participated in the comprehensive agronomic character test of mid-late maturing spring corn varieties in Northeast and East China in the unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 782 kilograms, an increase of 5.3 percent compared to the recipient variety. Participated in the comprehensive agronomic character test of summer corn varieties in Huanghuaihai in the unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 621 kilograms, an increase of 5.2 percent compared to the recipient variety.	It is suitable for mid-late maturing spring corn area in Liaoning province with ≥10℃ accumulated temperature above 2800℃, and summer sowing corn area in Tangshan City, Langfang City, Baoding City of Hebei Province.
14	Hengyu 1D	DBN9936	Resistant to Asian corn borer and armyworm, and tolerant to glyphosate herbicides	Participated in the comprehensive agronomic character test of mid-late maturing spring corn varieties in Northeast and East China in the unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 806 kilograms, an increase of 5.7 percent compared to the recipient variety.	It is suitable for area in Inner Mongolia Autonomous Region with ≥10℃ accumulated temperature above 2900℃,
15	Longken 1755K	ND207	Resistant to Asian corn borer and armyworm	Participated in the comprehensive agronomic character test of mid-late maturing spring corn varieties in Northeast and East China in the unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 804 kilograms, an increase of 4.8 percent compared to the recipient variety.	It is suitable for the mid-late maturing spring corn area of Northeast and East China, including most areas of Siping City, Songyuan City, and Changchun City, parts of Liaoyuan City, Baicheng City, Jilin City, and southern Tonghua City in Jilin Province, most areas in Liaoning Province except for the eastern mountainous area, Dalian City and Donggang City; most areas of Chifeng City and Tongliao City of Inner Mongolia Autonomous Region, Xinzhou City, Jinzhong City, Taiyuan City, Yangquan City, Changzhi City, Jincheng City, Luliang City Pingchuan District and southern mountainous areas of Shanxi

					Province, Zhangjiakou City, Chengde City, Qinhuangdao City, Tangshan City, Langfang City, northern Baoding City, northern spring sowing areas of Cangzhou City in Hebei Province, and spring sowing areas of Beijing and Tianjin.
16	Aomei 95D	DBN9936	Resistant to Asian corn borer and armyworm, and tolerant to glyphosate herbicides	Participated in the comprehensive agronomic character test of mid-late maturing spring corn varieties in Northeast and East China in the unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 802 kilograms, an increase of 4.8 percent compared to the recipient variety.	It is suitable for the mid-late maturing spring corn area of Northeast and East China, including most areas of Siping City, Songyuan City, and Changchun City, parts of Liaoyuan City, Baicheng City, Jilin City, and southern Tonghua City in Jilin Province, most areas in Liaoning Province except for the eastern mountainous area, Dalian City and Donggang City; most areas of Chifeng City and Tongliao City of Inner Mongolia Autonomous Region, Xinzhou City, Jinzhong City, Taiyuan City, Yangquan City, Changzhi City, Jincheng City, Luliang City Pingchuan District and southern mountainous areas of Shanxi Province, Zhangjiakou City, Chengde City, Qinhuangdao City, Tangshan City, Langfang City, northern Baoding City, northern spring sowing areas of Cangzhou City in Hebei Province, and spring sowing areas of Beijing and Tianjin.
17	Heyu 185WG	Bt11×GA21	Resistant to Asian corn borer and armyworm	Participated in the comprehensive agronomic character test of mid-late maturing spring corn varieties in Northeast and East China in the unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 816 kilograms, an increase of 4.8 percent compared to the recipient variety.	It is suitable for area in Inner Mongolia Autonomous Region with ≥10℃ accumulated temperature above 2800℃,
18	Liangchuang 808R	Ruifeng 125	Resistant to Asian corn borer	Participated in the comprehensive agronomic character test of summer corn varieties in Huanghuaihai in the unified national corn variety trials. The average yield per mu in the 2018 production comparison test was 711 kilograms, an increase of 1.0 percent compared to the recipient variety.	It is suitable for summer corn areas in Huanghuaihai region including Henan and Shandong provinces, Baoding City and areas south of Baoding in Hebei Province, Guanzhong Irrigation District of Shaanxi Province, southern Shanxi Province, and summer sowing areas in north of the Huaihe River in Jiangsu Province and Anhui Province.

19	Jingnongke 728K	ND207	Resistant to Asian corn borer, armyworm, cotton bollworm	Participated in the comprehensive agronomic character test of summer corn varieties in Huanghuaihai in the unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 642 kilograms, an increase of 4.0 percent compared to the recipient variety.	It is suitable for summer corn areas in Huanghuaihai region including Henan and Shandong provinces, Baoding City and areas south of Baoding in Hebei Province, Guanzhong Irrigation District of Shaanxi Province, southern Shanxi Province, and summer sowing areas in north of the Huaihe River in Jiangsu Province and Anhui Province.
20	Dedan 123R	Ruifeng 125	Resistant to Asian corn borer, armyworm, cotton bollworm	Participated in the comprehensive agronomic character test of summer corn varieties in Huanghuaihai in the unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 680 kilograms, an increase of 3.8 percent compared to the recipient variety.	It is suitable for summer corn areas in Huanghuaihai region including Henan and Shandong provinces, Baoding City and Cangzhou city and areas south of Cangzhou in Hebei Province, Guanzhong Irrigation District of Shaanxi Province, Yuncheng city, Linfen city and part areas of Jincheng city in Shanxi Province, and summer sowing areas in north of the Huaihe River in Jiangsu Province and Anhui Province.
21	Nongda 778D	DBN9936	Resistant to Asian corn borer, armyworm, cotton bollworm, and tolerant to glyphosate herbicides	Participated in the comprehensive agronomic character test of summer corn varieties in Huanghuaihai in the unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 678 kilograms, an increase of 4.5 percent compared to the recipient variety.	It is suitable for summer corn areas in Huanghuaihai region including Henan and Shandong provinces, Baoding City and Cangzhou city and areas south of Cangzhou in Hebei Province, Guanzhong Irrigation District of Shaanxi Province, Yuncheng city, Linfen city and part areas of Jincheng city in Shanxi Province, and summer sowing areas in north of the Huaihe River in Jiangsu Province and Anhui Province.
22	Liangyu 99D	DBN9936	Resistant to Asian corn borer, armyworm, cotton bollworm, and tolerant to glyphosate herbicides	Participated in the comprehensive agronomic character test of summer corn varieties in Huanghuaihai in the unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 664 kilograms, an increase of 6.2 percent compared to the recipient variety.	It is suitable for summer corn areas Shandong provinces.
23	Longping 218R	Ruifeng 125	Resistant to Asian corn borer	Participated in the comprehensive agronomic character test of summer corn varieties in Huanghuaihai in the unified national corn variety trials. The average yield per mu in the 2021 production comparison test was 506 kilograms, an increase of 4.3 percent compared to the	It is suitable for summer corn areas in Huanghuaihai region including Hebei, Henan, Shandong provinces, Huaibei in Jiangsu province, and Guanzhong Irrigation District of Shaanxi Province.

				recipient variety.	
24	Denghai 533K	ND207	Resistant to Asian corn borer and cotton bollworm	Participated in the comprehensive agronomic character test of summer corn varieties in Huanghuaihai in the unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 677 kilograms, an increase of 6.6 percent compared to the recipient variety.	It is suitable for summer corn areas in Huanghuaihai region including Baoding and aeras south of Baoding in Hebei province, southern Shanxi province, Henan and Shandong provinces, Guanzhong Irrigation District of Shaanxi Province, and summer sowing areas in north of the Huaihe River in Jiangsu Province and Anhui Province.
25	Denghai 685D	DBN9936	Resistant to Asian corn borer, armyworm, cotton bollworm, and tolerant to glyphosate herbicides	Participated in the comprehensive agronomic character test of summer corn varieties in Huanghuaihai in the unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 703 kilograms, an increase of 6.2 percent compared to the recipient variety.	It is suitable for summer corn areas in Huanghuaihai region including Henan and Shandong provinces, Baoding and aeras south of Baoding in Hebei province, Guanzhong Irrigation District of Shaanxi Province, southern Shanxi province, and summer sowing areas in north of the Huaihe River in Jiangsu Province and Anhui Province.
26	Denghai 710D	DBN9936	Resistant to Asian corn borer, armyworm, cotton bollworm, and tolerant to glyphosate herbicides	Participated in the comprehensive agronomic character test of summer corn varieties in Huanghuaihai in the unified national corn variety trials. The average yield per mu in the 2022 production comparison test was 691 kilograms, an increase of 5.9 percent compared to the recipient variety.	It is suitable for summer corn areas in Huanghuaihai region including Henan and Shandong provinces, Baoding City and Cangzhou city and areas south of Cangzhou in Hebei Province, Guanzhong Irrigation District of Shaanxi Province, Yuncheng city, Linfen city and part areas of Jincheng city in Shanxi Province, and summer sowing areas in north of the Huaihe River in Jiangsu Province and Anhui Province.
27	Huaxingdan 88DT	DBN3601T	Resistant to Asian corn borer, armyworm, cotton bollworm, and tolerant to glyphosate and glufosinate-ammonium herbicides	Participated in the comprehensive agronomic character test of spring corn varieties in Southwest China in the unified national corn variety trials. The average yield per mu in the 2021 production comparison test was 580 kilograms, an increase of 5.9 percent compared to the recipient variety.	It is suitable for areas with an altitude of 1000-2000 meters in Yunnan Province.

Target Traits and Yield Performance of GM Soybean Varieties

No.	Variety Name	Event Name	GM Target Traits	Yield Performance	Suitable Planting Regions
1	Zhongliandou 5046	Zhonghuang 6106	Tolerant to glyphosate herbicides	Participated in the comprehensive agronomic character test of summer soybean varieties in north part of Huanghuaihai, the average yield per mu in the 2022 regional test was 220.9 kilograms, an increase of 10.8 percent compared to the control Jidou 12; the average yield per mu in the 2023 regional retest was 236.5 kilograms, an increase of 5.3 percent over the control; the two-year average yield per mu was 228.7 kilograms, an increase of 9.6 percent compared to the control. The average yield per mu in the 2023 production test was 209.6 kilograms, an increase of 7.4 percent compared to the control.	It is suitable for summer sowing in Beijing, Tianjin, northern and central Hebei Province, and northern Shandong Province. Use with caution in areas with severe cyst nematode disease incidence.
2	Maiyu 4003	DBN9004	Tolerant to glyphosate and glufosinate-ammonium herbicides	Participated in the comprehensive agronomic character test of summer soybean varieties in north part of Huanghuaihai, the average yield per mu in the 2021 regional test was 213.6 kilograms, an increase of 2.8 percent compared to the control Jidou 12; the average yield per mu in the 2022 regional retest was 201.2 kilograms, an increase of 1.0 percent over the control; the two-year average yield per mu was 207.4 kilograms, an increase of 1.9 percent compared to the control. The average yield per mu in the 2022 production test was 196.8 kilograms, an increase of 2.7 percent compared to the control.	It is suitable for summer sowing in central and southern Beijing, Tianjin, and central Hebei Province. Use with caution in areas with severe cyst nematode disease incidence.
3	Zhongliandou 6024	Zhonghuang 6106	Tolerant to glyphosate herbicides	Participated in the comprehensive agronomic character test of summer soybean varieties in north part of Huanghuaihai, the average yield per mu in the 2022 regional test was 210.4 kilograms, an increase of 5.6 percent compared to the control Jidou 12; the average yield per mu in the 2023 regional retest was 233.8 kilograms, an increase of 7.3	It is suitable for summer sowing in Beijing, Tianjin, northern and central Hebei Province, and northern Shandong Province. Use with caution in areas with severe cyst nematode disease incidence.

				percent over the control; the two-year average yield per mu was 222.1 kilograms, an increase of 6.4 percent compared to the control. The average yield per mu in the 2023 production test was 214.2 kilograms, an increase of 9.7 percent compared to the control.	

END UNOFFICIAL TRANSLATION

Attachments:

No Attachments.