Non-GMO Food Grade Soybean
IAS19C3

IOWA STATE UNIVERSITY
OF SCIENCE AND TECHNOLOGY

Trait	
Maturity	2.1
Plant Type	Medium
Plant Height	Medium
Emergence	NA
Standability	8
White Mold	7
Iron Chlorosis	5
Sudden Death (SDS)	7
Brown Stem Rot	NA
Soybean Cyst Nematode (SCN)	7
Phytophthora Root Rot (PRR)	2
Hilum Color	Yellow

Performance Summary:

- ✓ High yield
- ✓ Good protein (~40-41%)
- ✓ Extensive testing done across Mid-West U.S. states (public trials, F.I.R.S.T trials, and state trials)
- ✓ Ranked high in "Gross Income Rank" in F.I.R.S.T. trials (MNSOCV) in 2022, 2023, 2024
- ✓ Rapid uptake due to high yield, high protein, good standability

Score Index	
8-9	Excellent
7	Very Good
6	Good
5	Average
3-4	Below Average
1-2	Poor

Commercial seeds are available through select licensed distributors. New distributors are welcome to apply.

Yield Performance Across Iowa-North Locations (<2.2) from 2019-2022

Year	Rank	# of Locations	Seed Yield (bu/ac)	Test Mean (bu/ac)	Highest Yielding Line (bu/ac)
2019	12/45	5	59.5	58.1	61.5
2020	8/45	5	62.1	59.8	65.1
2021	25/40	5	59.9	60.2	66.9
2022	21/35	5	73.0	73.2	76.4

Contact germplasm@iastate.edu or 515-294-5614 for seed; singhak@iastate.edu for more information on the variety.

Non-GMO Food Grade or General Use

IAS25C2

IOWA STATE UNIVERSITY
OF SCIENCE AND TECHNOLOGY

Trait	
Maturity	2.5
Plant Type	Medium
Plant Height	Medium
Emergence	NA
Standability	7
White Mold	7
Iron Chlorosis	3
Sudden Death (SDS)	6
Brown Stem Rot	NA
Soybean Cyst Nematode (SCN)	8
Phytophthora Root Rot (PRR)	2
Hilum Color	Yellow

Foundation seed will be available in 2026

Performance Summary:

- ✓ Excellent yield
- ✓ Consistently good performance across multiple states
- ✓ Yellow hilum

Score Index	
8-9	Excellent
7	Very Good
6	Good
5	Average
3-4	Below Average
1-2	Poor

Yield Performance Across States

Year	State Test	Rank	# of Locations	Seed Yield (bu/ac)	Test Mean (bu/ac)	Highest Yielding Line (bu/ac)
2025	IA-B1B	24/31	5	64.5	66.3	71.7
2025	IA-B2A	21/27	5	68.4	69.9	74.2
2024	MI-Central	16/73	4	63.5	59.9	69.6
2024	WI-South	1/32	2	82.0	71.0	82.0
2024	IA-North (MG > 2.2)	28/36	5	60.1	62.2	69.3
2024	IA-Central (MG < 2.7)	9/39	5	74.5	71.6	76.5
2024	IL-Region1 (MG 1.9-2.6)	18/29	2	67.1	68.9	74.9

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Non-GMO Food Grade Soybean
IAS25HPHS1

IOWA STATE UNIVERSITY
OF SCIENCE AND TECHNOLOGY

Trait	Score
Maturity	2.5
Plant Type	Shorter
Plant Height	~30”
Emergence	NA
Standability	8
White Mold	7
Iron Chlorosis	4
Sudden Death (SDS)	7
Brown Stem Rot	NA
Soybean Cyst Nematode (SCN)	6
Phytophthora Root Rot (PRR)	2
Hilum Color	Yellow

Performance Summary:

- ✓ Good yield
- ✓ High protein content (~42%)
- ✓ Higher sucrose, low raffinose and stachyose for better digestibility and nutritional value
- ✓ Larger seed size
- ✓ Excellent standability
- ✓ Good replacement option for food-grade usage looking for yellow hilum, high protein, higher sucrose and large seed size

Score Index	
8-9	Excellent
7	Very Good
6	Good
5	Average
3-4	Below Average
1-2	Poor

Summary of Trait data (2018-2023)

Year	IAS25HPHS1	IA2102
Yield (bu/ac)	57.5	59.0
Protein (dw)	41.7%	39.3%
100-Seed weight (gm)	19.7	16.0
Sucrose (%)	4.65	3.5
Raffinose (%)	0.5	0.6
Stachyose (%)	0.95	2.65

* Sugar data from 2020-2023

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Non-GMO General-Use Soybean
IAS27C1

IOWA STATE UNIVERSITY
OF SCIENCE AND TECHNOLOGY

Trait	
Maturity	2.7
Plant Type	Medium
Plant Height	Medium
Emergence	NA
Standability	7
White Mold	8
Iron Chlorosis	6
Sudden Death (SDS)	8
Brown Stem Rot	NA
Soybean Cyst Nematode (SCN)	8
Phytophthora Root Rot (PRR)	5
PRR gene	RpsH1k
Hilum Color	Black

Performance Summary:

- ✓ Excellent yield
- ✓ Consistently high yield across multiple states
- ✓ Improved flooding tolerance
- ✓ SDS, White Mold and SCN resistance

Score Index	
8-9	Excellent
7	Very Good
6	Good
5	Average
3-4	Below Average
1-2	Poor

Commercial seeds are available through select licensed distributors, and new distributors are welcome to apply.

2024 Yield Performance Across States

State Test	Rank	# of Locations	Seed Yield (bu/ac)	Test Mean (bu/ac)	Highest Yielding Line (bu/ac)
MI-Central	3/73	4	68.5	59.9	69.6
WI-South	9/32	2	77.0	71.0	82.0
IA-North (MG > 2.2)	17/36	5	62.9	62.2	69.3
IA-Central (MG < 2.7)	17/39	5	73.1	71.6	76.5
IL-Region1 (MG 2.7-3.4)	6/29	2	64.9	60.1	69.8
IL-Region2 (MG 2.4-3.2)	21/26	2	72	75.2	83.3

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Non-GMO General Use Soybean
IAS29C1

IOWA STATE UNIVERSITY
OF SCIENCE AND TECHNOLOGY

Trait	
Maturity	2.9
Plant Type	Medium
Plant Height	Medium
Emergence	NA
Standability	8
White Mold	8
Iron Chlorosis	3
Sudden Death (SDS)	9
Brown Stem Rot	NA
Soybean Cyst Nematode (SCN)	7
Phytophthora Root Rot (PRR)	7
PRR gene	Rps1k
Hilum Color	Brown

Foundation seed will be available in 2026

Performance Summary:

- ✓ Excellent yield
- ✓ SCN resistance – PI 88788 source
- ✓ Excellent resistance to stem diseases
- ✓ Improved flooding tolerance

Score Index	
8-9	Excellent
7	Very Good
6	Good
5	Average
3-4	Below Average
1-2	Poor

Yield Performance Across States

	State Test	Rank	# of Locations	Seed Yield (bu/ac)	Test Mean (bu/ac)	Highest Yielding Line (bu/ac)
2025	IA-B2B	22/29	5	68.2	70.2	75.5
2025	IA-B3A	21/23	5	61.9	64.0	66.9
2024	MI-South	21/58	4	63.1	60.8	69.6
2024	WI-South	2/32	2	80.0	71.0	82.0
2024	IA-Central (MG < 2.7)	13/30	5	73.0	72.0	76.6
2024	IA-South (MG < 3.2)	8/25	4	67.9	66.5	70.0
2024	IL-Region1 (MG 2.7-3.4)	19/29	2	59.5	60.1	69.8
2024	IL-Region2 (MG 2.4-3.2)	15/26	2	76.6	75.2	83.3

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Non-GMO General Use Soybean
IAS29C3

IOWA STATE UNIVERSITY
OF SCIENCE AND TECHNOLOGY

Trait	
Maturity	2.9
Plant Type	Medium
Plant Height	Medium
Emergence	NA
Standability	9
White Mold	4
Iron Chlorosis	2
Sudden Death Syndrome (SDS)	6
Brown Stem Rot	NA
Soybean Cyst Nematode (SCN)	9
Phytophthora Root Rot (PRR)	2
Hilum Color	Imperfect Black

Performance Summary:

- ✓ Excellent yield
- ✓ SCN resistance – Peking source
- ✓ Excellent agronomic performance
- ✓ Seed oil ~24% (dry weight basis)

Score Index	
8-9	Excellent
7	Very Good
6	Good
5	Average
3-4	Below Average
1-2	Poor

Foundation seed will be available in 2026

Yield Performance

Test	Rank	# of Locations	Seed Yield (bu/ac)	Test Mean (bu/ac)	Highest Yielding Line (bu/ac)
25-IA-B2B	14/29	5	70.5	70.2	75.5
25-IA-B3A	4/23	5	65.8	64.0	66.9
25-UT2	9/35	14	74.8	72.7	78.7
24-UT2	2/39	13	80.4	73.7	81.1
23-PT3A	4/40	11	79.2	74.5	79.9
22-C-204L	2/50	6	75.0	70.1	75.9
21-B-306	27/130	3	77.4	73.2	89.3

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Non-GMO General Use Soybean
IAS29C4

IOWA STATE UNIVERSITY
OF SCIENCE AND TECHNOLOGY

Trait	
Maturity	2.9
Plant Type	Medium
Plant Height	Medium
Emergence	NA
Standability	9
White Mold	3
Iron Deficiency Chlorosis (IDC)	3
Sudden Death Syndrome (SDS)	8
Brown Stem Rot (BSR)	NA
Soybean Cyst Nematode (SCN)	8
Phytophthora Root Rot (PRR)	2
Hilum Color	Imperfect Black

Performance Summary:

- ✓ Excellent yield
- ✓ SCN resistance – Peking source
- ✓ Excellent agronomic performance
- ✓ Seed oil ~24% (dry weight basis)

Score Index	
8-9	Excellent
7	Very Good
6	Good
5	Average
3-4	Below Average
1-2	Poor

Foundation seed will be available in 2026

Yield Performance

Test	Rank	# of Locations	Seed Yield (bu/ac)	Test Mean (bu/ac)	Highest Yielding Line (bu/ac)
25-IA-B2B	9/29	5	71.4	70.2	75.5
25-IA-B3A	2/23	5	66.2	64.0	66.9
25-UT2	3/35	14	76.6	72.7	78.7
24-UT2	1/39	13	81.1	73.7	81.1
23-PT3A	6/40	11	79.0	74.5	79.9
22-C-202E	3/60	6	77.2	71.4	78.1
21-B-204	8/150	3	80.2	72.6	82.5

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Non-GMO General Use Soybean
IAS31C2

IOWA STATE UNIVERSITY
OF SCIENCE AND TECHNOLOGY

Trait	
Maturity	3.1
Plant Type	Medium
Plant Height	Medium
Emergence	NA
Standability	8
White Mold	8
Iron Chlorosis	5
Sudden Death Syndrome (SDS)	9
Brown Stem Rot	NA
Soybean Cyst Nematode (SCN)	9
Phytophthora Root Rot (PRR)	6
PRR gene	Rps1k
Hilum Color	Brown

Foundation seed will be available in 2026

Performance Summary:

- ✓ Excellent yield
- ✓ Consistently high yield across multiple states
- ✓ Very good SCN resistance derived from Peking resistance source
- ✓ Excellent resistance to stem diseases
- ✓ Improved flooding tolerance
- ✓ Seed oil ~24% (dw)

Score Index	
8-9	Excellent
7	Very Good
6	Good
5	Average
3-4	Below Average
1-2	Poor

Yield Performance Across States

	State Test	Rank	# of Locations	Seed Yield (bu/ac)	Test Mean (bu/ac)	Highest Yielding Line (bu/ac)
2025	IA-B2B	19/29	5	68.9	70.2	75.5
2025	IA-B3A	14/23	5	63.8	64.0	66.9
2024	MI-South	22/58	4	63.1	60.8	69.6
2024	WI-South	11/32	2	77.0	71.0	82.0
2024	IA-Central (MG > 2.7)	17/30	5	72.5	72.0	76.6
2024	IA-South (MG < 3.2)	6/25	4	68.3	66.5	70.0
2024	IL-Region1 (MG 2.7-3.4)	4/29	2	66.9	60.1	69.8
2024	IL-Region2 (MG 2.4-3.2)	7/26	2	78.6	75.2	83.3

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Non-GMO General Use Soybean
IAS32C1

IOWA STATE UNIVERSITY
OF SCIENCE AND TECHNOLOGY

Trait	
Maturity	3.2
Plant Type	Medium
Plant Height	Medium
Emergence	NA
Standability	8
White Mold	5
Iron Chlorosis	5
Sudden Death Syndrome (SDS)	9
Brown Stem Rot	NA
Soybean Cyst Nematode (SCN)	9
Phytophthora Root Rot (PRR)	2
Hilum Color	Buff

Performance Summary:

- ✓ Excellent yield
- ✓ SCN resistance - Peking source
- ✓ Resistance to SDS
- ✓ Excellent agronomic performance

Score Index	
8-9	Excellent
7	Very Good
6	Good
5	Average
3-4	Below Average
1-2	Poor

Foundation seed will be available in 2026

Yield Performance Across States

Test	Rank	# of Locations	Seed Yield (bu/ac)	Test Mean (bu/ac)	Highest Yielding Line (bu/ac)
25-IA-B2B	8/29	5	72.0	70.2	75.5
25-IA-B3A	7/23	5	65.4	64.0	66.9
25-UT3	15/40	13	72.0	71.5	77.1
24-UT3	1/40	14	81.0	76.8	81.0
23-PT3A	13/40	11	76.3	74.5	79.9
22-C-302	4/60	5	69.1	64.4	71.6
21-B-306	6/130	3	84.0	73.2	89.3

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Non-GMO General Use Soybean
IAS34C1

IOWA STATE UNIVERSITY
OF SCIENCE AND TECHNOLOGY

Trait	
Maturity	3.4
Plant Type	Medium
Plant Height	Medium
Emergence	NA
Standability	8
White Mold	4
Iron Chlorosis	4
Sudden Death Syndrome (SDS)	9
Brown Stem Rot	NA
Soybean Cyst Nematode (SCN)	9
Phytophthora Root Rot (PRR)	2
Hilum Color	Black

Performance Summary:

- ✓ Excellent yield
- ✓ SCN resistance - Peking source
- ✓ Resistance to SDS
- ✓ Excellent agronomic performance

Score Index	
8-9	Excellent
7	Very Good
6	Good
5	Average
3-4	Below Average
1-2	Poor

Foundation seed will be available in 2026

Yield Performance Across States

Test	Rank	# of Locations	Seed Yield (bu/ac)	Test Mean (bu/ac)	Highest Yielding Line (bu/ac)
25-IA-B3B	6/31	5	68.5	66.2	70.4
25-UT3	6/40	13	74.4	71.5	77.1
24-UT3	2/40	14	80.7	76.8	81.0
23-PT3A	3/40	11	79.8	74.5	79.9
22-C-302	2/60	5	70.9	64.4	71.6
21-B-306	16/130	3	80.1	73.2	89.3

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