



Asgrow Brand Soybeans

AG4005



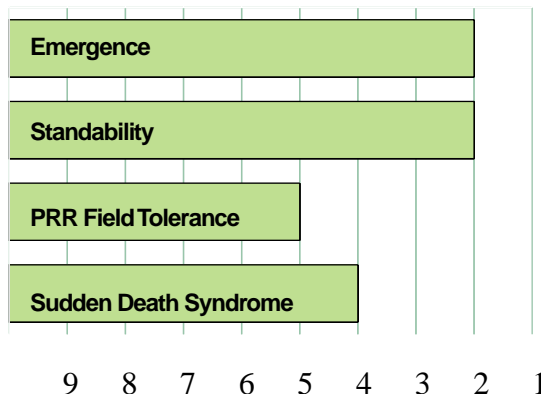
AG4005

EARLY IV

Asgrow® AG4005 brand is an early group IV Roundup Ready® soybean with consistent high yield potential. It features soybean cyst nematode resistance as well as multi-race Phytophthora protection with the Rps1® gene.

Product Characteristics

Category	Characteristic	Value
MANAGEMENT	Maturity Group	4
	Relative Maturity	4.0
	Herbicide Tolerant Trait	RR
	Processor Preferred ⁺	-
	Variety Name	A1007978
P L A N T DESCRIPTION	Plant Type	M
	Growth Habit	I
	Flower Color	W
	Pubescence Color	T
	Hilum Color	BL
	Pod Wall Color	BR
	Plant Height (in.)	40
	Approx. Size (Seeds/Lb.)	2600*
	Protein Content ¹ 13%	35.1
	Oil Content ¹ 13%	19.2
PRODUCTION	Emergence	2
	Standability	2
	No-till Adaptability	2
	Iron Chlorosis	-
DISEASES/INSECTS	Soybean Cyst Nematode	MR3
	PRR Resistance	Rps1 ^c
	PRR Field Tolerance	5
	White Mold	-
	Brown Stem Rot	-
	Sudden Death Syndrome	4
	Southern Stem Canker	3
	Frogeye Leaf Spot	4*
Aerial Blight	-	
SENSITIVITY	Southern Root Knot (<i>M. incognita</i>)	S
	Chloride Sensitivity	-
	Propanil Sensitivity	-



Key Strengths

- Attractive, medium tall plant type with excellent emergence and standability
- Moderate resistance to race 3 soybean cyst nematode
- Multi-race Phytophthora protection with the Rps1^c gene.
- Above average resistance to southern stem canker
- Consistent yields across a wide range of yield environments

Management Tips

- Widely adapted to many different soil types and soybean growing areas
- Strong performance in drought stressed environments
- Plant type and agronomic package allow for planting in a wide range of planting dates

Asgrow®, Roundup Ready®, Roundup UltraMAX® II, Roundup WeatherMAX® and TranSorb®II are trademarks of Monsanto Technology LLC.

These seeds are protected under one or more of the following United States Patent nos. 4,940,835; 5,188,642; 5,352,605; 5,530,196; 5,633,435; 5,717,084; 5,728,925; and 5,804,425. The purchase of these seeds conveys no license under said patents to use these seeds or perform any of the methods covered by these patents. A license must first be obtained before these seeds can be used in any way. See your Seed Dealer to sign a Monsanto Technology/Stewardship Agreement or to obtain a Limited Use Invoice License. Progeny of these seeds cannot be used for replanting or transferred to others for replanting.

Patented germplasm is licensed only to grow a single commercial crop of harvested material for use or sale for food, feed, processing or fiber. No license is granted for subsequent generations of seed or plants for any purpose.

Based on Asgrow-conducted trials. Relative to other +data.getBrand().getName()+ brand products. Rating Scale: 1=Excellent, 9=Poor. Tolerance ratings refer to PRR races not covered by specific PRR resistant genes.

Asgrow Brand Soybean Legend

Rating Scale:

- 1 = Excellent
- 9 = Poor
- * = Preliminary Screening
- NEW** = '06 Elites
- = Not Available

A rating of "1" in standability is a soybean product with excellent standability. A rating of "1" in brown stem rot is a product with excellent tolerance to brown stem rot.

PP = Processor Preferred® 

Herbicide Tolerant Traits:

- RR¹ = Roundup Ready®
- Blank = None
- RR¹/STS = Stacked Roundup Ready and STS®

¹Seeds containing the Roundup Ready trait are protected under numerous United States Patents, including Patent No. 5,352,605. It is unlawful to save Roundup Ready Soybeans for planting or transfer to others for use as planting seed.

Germplasm Patent:

- P = Pending
- G = Granted
- N = None

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Soybean Cyst Nematode:

- S = Susceptible
- R = Resistance
- MR = Moderate Resistance
- ^ = University Data Only
- # = Race 1, 3, 5, 9 or 14

A recent publication suggests that soybean cyst nematode populations should be described by a different method called HG type, instead of races. The Race 3 population used in our evaluations would be equivalent to "HG Type 0" and the Race 14 population would be equivalent to "HG Type 1.3" under the direction of the paper.

Phytophthora Gene Specific Resistance:

Susc. = Susceptible
 Rps1^a denotes resistance to Races 1, 2, 10, 11, 13-18, 24, 26, 27, 31, 32 & 36.
 Rps1^c denotes resistance to Races 1-3, 6-11, 13, 15, 17, 21, 23, 24, 26, 28-30, 32, 34 & 36.
 Rps1^k denotes resistance to Races 1-11, 13-15, 17, 18, 21-24, 26, 36 & 37.
 Rps2 denotes resistance to Races 1-5, 9-29, 33, 34, 36-39. Rps3^a denotes resistance to Races 1-5, 8, 9, 11, 13, 14, 16, 18, 23, 25, 28, 29 & 31-35.
 Rps6 denotes resistance to Races 1-4, 10, 12, 14-16, 18-21 & 25.
 Rps7 denotes resistance to Races 2, 12, 16, 18, 19, 33, 35 & 36.

Phytophthora Field Tolerance:

Reaction to Phytophthora sojae Race 25 for commercial genes Rps1^a, Rps1^c, Rps1^k and Rps7.
 Reaction to Phytophthora sojae Race 30 for commercial genes Rps2, Rps3^a and Rps6.

Southern Root Knot

- MR = Moderate Resistance
- S = Susceptible
- MS = Moderately Susceptible

Flower Color

- P = Purple
- W = White

Pubescence

- G = Gray
- T = Tawny
- LT = Light Tawny

Hilum Color

- BL = Black
- G = Gray
- IB = Imperfect Black
- IY = Imperfect Yellow
- BR = Brown
- BF = Buff
- Y = Yellow

Pod Wall Color

- BR = Brown
- TN = Tan

Plant Type

- Th = Thin
- M = Medium
- B = Bushy

Protein and Oil Content

Percentages are recorded on a 13% moisture basis. Protein and oil percentages represent an average of multiple observations. Actual values vary with environmental conditions, geographical area and management practices.

*Processor Preferred® indicates that these soybean products have been offered a premium for their seed composition from specific grain buyers.

Go to www.asgrow.com and click on the Processor Preferred link for up-to-date Processor Preferred programs.



Contact Us At:

1-800-768-6387 or visit
our online seed catalog
at www.asgrow.com
or www.dekalb.com

Warranty and Disclaimer of Warranties

Asgrow Seed Company LLC and DeKalb Genetics Corporation warrant that the products they sell will be labeled as required by law and that they will conform to the label description. ASGROW, DEKALB AND SELLER MAKE NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE. There are no guarantees of crop yield or freedom from seed-borne disease. Any recommendations for use of these products or materials or apparatus in connection therewith are based upon Asgrow's or DEKALB's or Seller's best judgement, but there is no warranty of results to be obtained in connection therewith.

Always Read and Follow Label Directions for All Products

The agronomic ratings stated in the product agronomic charts were developed from Asgrow's and DEKALB's internally conducted trials, which utilize commonly accepted methodology. These ratings can be used for comparative purposes between established and newly released products. They may not reflect total comparative performance. Actual performance may vary based on a number of factors, including without limiting the prevalence of the disease-causing organism or insect pest and environmental conditions. Product choice should be based on all performance information and not on pest reaction alone.

Always Read and Follow Label Directions for All Products

Roundup Ready[®] crops contain genes that confer tolerance to glyphosate, the active ingredient in Roundup[®] agricultural herbicides. Roundup[®] agricultural herbicides will kill crops that are not tolerant to glyphosate. A Asgrow[®] We Breed Better Beans[™], Asgrow[®] and the A Design, Bullet[®], EasyFILL[™], INTRRO[®], Lariat[®], Powerful Science. Powerful Seed[™], Processor Preferred[®], Residue Proven[®], Respect the RefugeSM, Roundup[®], Roundup Ready[®], Roundup Rewards[®], Roundup WeatherMAX[®], Roundup Ultra II[®], Seed To Feed[®], SilageProven[™], Transorb[®], Vistive[™], We Breed Better Beans[™], YieldGard[®], YieldGard Corn Borer and Design, YieldGard Plus and Design, YieldGard VT and Design[™], YieldGard VT Rootworm/RR2[™], YieldGard VT Triple[™] and YieldMaker[™] are trademarks of Monsanto Technology LLC. DEKALB[®], DEKALB[®] and the Winged Ear Design, Interstate[®], and Strong Roots. Strong Yields[®] are registered trademarks of DeKalb Genetics Corporation. Poncho[®] is a registered trademark of Bayer AG. All other trademarks are the property of their respective owners.

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Roundup Ready Corn 2 technology is covered under one or more of the following U.S. Patent Nos.: 4,940,835; 5,188,642; 5,359,142; 5,196,525; 5,322,938; 5,164,316; 5,352,605; 5,554,798; 5,593,874; 5,859,347; 5,424,412; 5,804,425; 5,641,876; 5,717,084; 5,728,925; 6,083,878; 6,025,545; 6,825,400 and RE39,247.

Roundup Ready soybeans technology is covered under one or more of the following U.S. Patent Nos.: 4,940,835; 5,188,642; 5,352,605; 5,530,196; 5,717,084; 5,728,925; 5,804,425 and RE39,247.

YieldGard Corn Borer technology is covered under one or more of the following U.S. Patent Nos.: 5,484,956; 5,352,605; 5,424,412; 5,859,347; 5,593,874; 6,180,774; 6,331,665 and 7,064,248.

YieldGard Rootworm technology is covered under one or more of the following U.S. Patent Nos.: 5,110,732; 5,023,179; 6,174,724; 5,484,956; 5,352,605; 6,331,665; 6,063,597; 6,501,009; 6,620,988; 6,642,030; 7,064,248, and RE39,580.

YieldGard Plus technology is covered under one or more of the following U.S. Patent Nos.: 5,023,179; 5,110,732; 5,352,605; 5,484,956; 5,424,412; 5,859,347; 5,593,874; 6,063,597; 6,174,724; 6,180,774; 6,331,665; 6,501,009; 6,620,988; 6,642,030; 7,064,248, and RE39,580.

The purchase/bailment/transfer of these seeds conveys no license under said patents to use these seeds or perform any of the methods covered by these patents. A license must first be obtained before these seeds can be used in any way. See your seed dealer to sign a Monsanto Technology/Stewardship Agreement ("MTA"). Progeny of these seeds cannot be cleaned or used as planting seed or transferred to others for planting. These seeds may only be offered for sale and distribution by authorized seed companies or their dealers. Before opening a bag of seed, be sure you read, understand and accept the stewardship requirements for the biotechnology traits expressed in the seed as set forth in the Monsanto Technology/Stewardship Agreement that you signed. By opening and using the bag of seed, you are reaffirming your obligation to comply with the most recent stewardship requirements.