

SORGHUM

SeedsmanShip
At Work™

“When I buy Channel® seed, I know that I’m getting someone who’s familiar with my farm. And very knowledgeable about their products, agronomy, economics and the technology side of things.”

— Roy Robinson, Stonington, Ill.



Channel® brand grain sorghum products continue to achieve success in sorghum-producing areas. Our product lineup features high-performance germplasm, which bolsters our long-standing reputation for performance potential. Let your Channel Seedsman help you decide which sorghum products are the best fit for your farming operation.

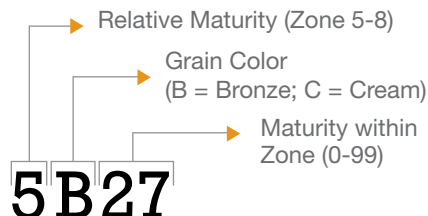


Grain Sorghum Seed Treatment Options



Channel® brand Grain Sorghum seed is available with Poncho® and Concep® III, or with Concep® III alone.

Channel® Grain Sorghum Numbering System



BRONZE • EARLY

5B27
BRAND

Yield performance potential makes this product a grower favorite

- Adapted to shorter season areas and higher elevations
- Works well in most row widths; a good choice for double crop
- A good early-maturing option in fuller season dryland areas

Est: 56 DAYS TO HALF-BLOOM

Consider Purchase

BRONZE • MEDIUM

6B85
BRAND

Challenges later maturing choices with its top-end yield potential

- Strong Plains adaptation and use
- Strong performance from medium stress dryland to full irrigated situations
- Strong seedling vigor and very good stalks and roots offer a strong start and finish

Est: 66 DAYS TO HALF-BLOOM

Consider Purchase

BRONZE • MEDIUM

7B11
BRAND

Strong yield potential backed by defensive traits

- Widely adapted from the Plains to Texas and the Delta
- Responds to most planting dates and row widths in irrigated or dryland fields
- Genetic resistance to biotypes E and I Greenbug

Est: 68 DAYS TO HALF-BLOOM

Consider Purchase

BRONZE • MEDIUM

7B30
BRAND

Top yield potential for its maturity

- Strong Plains adaptation for irrigation and dryland areas
- Good for most planting dates, row widths and double crop
- Strong late-season standability and threshability

Est: 69 DAYS TO HALF-BLOOM

Consider Purchase

	Maturity Group	Days to Half-Bloom	Yield to Maturity	Non-Irrigated	Irrigated	Grain Color	Seeds Per Pound	Cold Soil Seed Vigor	Drill Culture	Plant Height	Root Development	Pre-Flower Stress Tolerance	Standability	Threshability	Head Exertion	Head Type	Head Uniformity	
GRAIN SORGHUM BRANDS																		
	5B27	Early	56	2	1	4	B	14,500-16,500	2	2	37-47"	2	1	2	4	3	SO	2
NEW	5B23	Early	56	1	1	4	B	15,500-17,500	-	1	36-46"	1	1	1	3	2	SO	1
	6B10	Med-Early	64	2	3	2	B	14,500-16,500	2	1	42-52"	1	5	1	2	5	SC	1
NEW	6B13	Med-Early	62	1	1	1	B	13,500-15,500	-	3	45-55"	2	3	2	1	1	SC	3
	6B85	Medium	66	1	2	1	B	14,500-16,500	1	3	47-57"	2	3	2	2	4	SC	2
	7B11	Medium	68	2	2	2	B	13,000-15,000	3	3	47-57"	2	4	2	1	3	SC	3
	7B30	Medium	69	1	2	1	B	12,000-14,000	2	2	44-54"	3	4	2	2	5	SC	3
GRAIN SORGHUM VARIETIES																		
	5C35	Early	58	2	2	4	C	12,500-14,500	3	2	39-49"	1	1	1	4	2	SO	2
	5B90	Early	61	1	1	1	B	13,000-15,000	2	2	43-53"	2	2	2	2	3	SC	4
	6B50	Med-Early	62	1	1	2	B	12,000-14,000	1	5	45-55"	3	3	3	3	2	SO	3

BRONZE • EARLY

NEW **5B23**
BRAND

Excellent yield potential for its maturity

- Well-adapted for the Central Plains and shorter growing season areas
- Widely adapted from the Plains to Texas
- Good head exertion and standability

Est: 56 DAYS TO HALF-BLOOM

Consider Purchase

BRONZE • MEDIUM-EARLY

6B10
BRAND

Top yield potential for its maturity

- Strong Plains adaptation for irrigation and most dryland areas
- Recommended for most row widths, lower tendency for tillering and good for later planting
- Strong late-season standability aids in easier harvesting

Est: 64 DAYS TO HALF-BLOOM

Consider Purchase

BRONZE • MEDIUM-EARLY

NEW **6B13**
BRAND

Top yield potential for its maturity

- Strong adaptation for irrigated and dryland areas
- Strong performance from medium stress dryland to full irrigated situations
- Good head exertion and threshability make harvesting easier

Est: 62 DAYS TO HALF-BLOOM

Consider Purchase

CREAM • EARLY

5C35
VARIETY

Excellent choice for early grain sorghum planted early

- Well-adapted for the Central Plains and shorter growing season areas
- Good option for double crop and most row widths
- Easier harvesting with good head exertion and threshability

Est: 58 DAYS TO HALF-BLOOM

Consider Purchase

BRONZE • EARLY

5B90
VARIETY

Stable yield potential even under stress conditions

- Adapted for shorter growing season areas of the West
- Good for most planting dates, row widths and double crop
- Good head exertion and threshability make harvesting easier

Est: 61 DAYS TO HALF-BLOOM

Consider Purchase

BRONZE • MEDIUM-EARLY

6B50
VARIETY

Excellent yield potential

- Strong Plains adaptation for irrigation and most dryland areas
- Recommended for most row widths; lower tendency for tillering and good for later planting
- Strong late-season standability aids in easier harvest

Est: 62 DAYS TO HALF-BLOOM

Consider Purchase

Stay Green	Drydown	Test Weight	Post Freeze Stalk Quality	Head Smut	Fusarium	MDMVA	Downy Mildew	Sooty Stripe	Greenbug Biotype E	Greenbug Biotype I		
3	2	5	3	2	5	-	6	-	S	I	5B27	
1	2	3	1	1	3	-	9	-	-	-	5B23	NEW
1	4	3	1	2	2	-	6	-	R	I	6B10	
2	3	1	2	1	2	-	7	-	R	R	6B13	NEW
3	2	3	2	3	2	-	4	-	S	S	6B85	
3	3	2	3	5	2	-	3	-	R	R	7B11	
2	3	3	2	3	1	-	5	-	I	I	7B30	
2	2	4	3	3	5	4	6	3	S	S	5C35	
3	3	3	3	5	5	-	6	-	R	I	5B90	
4	3	3	3	4	4	3	4	3	S	S	6B50	

KEY

Rating System

1 = Excellent; 9 = Poor;
- = Agronomic data is insufficient to make ratings at this time

Days to Half Bloom:

Days are approximate. Individual maturities may vary due to sorghum growth characteristics, planting dates, elevation, and other environmental conditions.

Head Type:

SO = Semi-Open; SC = Semi-Compact

Grain Color:

B = Bronze; C = Cream

Downy Mildew:

Pathotype 1

Greenbug Biotype

R = Resistant; I = Intermediate; S = Susceptible

Forage Sorghum and Sorghum Sudangrass Seed Treatment Options



Channel® Forage Sorghum and Sorghum Sudangrass are available unsafened or treated with Concep® III.

Notes:

FORAGE

NUTRI-CHOICE II VARIETY

Top-end yield potential in a high quality, high tonnage silage

- Adapted over a wide area primarily for silage
- Recommended in 30-inch rows and wider
- Excellent standability makes harvesting easier
- Fertile Forage Sorghum

Consider Purchase

FORAGE

NUTRI-CANE II VARIETY

Extra sweetness with high sugar content in stalks and leaves

- Ideal for grazing, hay, haylage, bundle feed and fall pasture
- Works well in most soils under irrigation or dryland conditions
- Fast emergence and growth with an early maturity
- Sorgo X Sorgo Forage Sorghum (Sterile)

Consider Purchase

FORAGE BROWN MIDRIB


BMR77F BRAND

Higher feed value with improved palatability and reduced lignin

- Best use for silage, haylage, green chop and grazing
- A good fit for most soils under irrigation or dryland conditions
- Strong early growth for early forage needs
- BMR Forage

Consider Purchase

		Maturity Group	Yield to Maturity	Under Stress	Under Irrigation	Silage	Hay	Green Chop	Pasture	Standability	Regrowth	Plant Height	Sweetness	Grain in Forage	Sterility	Plant Health
FORAGE SORGHUM VARIETY																
	NUTRI-CHOICE II	Medium-Full	1	2	1	1	-	-	1	2	-	6-8'	4	15-25	F	2
	NUTRI-CANE II	Medium	2	1	2	4	3	-	3	2	4	6-8'	1	0-5	S	3
FORAGE BROWN MIDRIB SORGHUM BRAND																
	BMR77F	Medium	2	2	2	-	2	1	2	-	3	6-8'	3	-	F	3
SORGHUM SUDANGRASS VARIETY																
	SWEETLEAF II	Medium	1	1	1	-	1	1	1	-	1	-	1	-	S	3
SORGHUM SUDANGRASS BRAND																
	BMR45S	Medium	2	2	2	-	2	1	1	-	2	7-9'	3	-	S	3



Before opening a bag of seed, be sure to read, understand and accept the stewardship requirements, **including applicable refuge requirements for insect resistance management**, for the biotechnology traits expressed in the seed as set forth in the Monsanto Technology/Stewardship Agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation to comply with the most recent stewardship requirements.



Certain statements contained in this presentation are “**forward-looking statements**,” such as statements concerning the company's anticipated financial results, current and future product performance, regulatory approvals, business and financial plans and other non-historical facts. These statements are based on current expectations and currently available information. However, since these statements are based on factors that involve risks and uncertainties, the company's actual performance and results may differ materially from those described or implied by such forward-looking statements. Factors that could cause or contribute to such differences include, among others: continued competition in seeds, traits and agricultural chemicals; the company's exposure to various contingencies, including those related to intellectual property protection, regulatory compliance and the speed with which approvals are received, and public acceptance of biotechnology products; the success of the company's research and development activities; the outcomes of major lawsuits and the previously announced SEC investigation; developments related to foreign currencies and economies; successful operation of recent acquisitions; fluctuations in commodity prices; compliance with regulations affecting our manufacturing; the accuracy of the company's estimates related to distribution inventory levels; the company's ability to fund its short-term financing needs and to obtain payment for the products that it sells; the effect of weather conditions, natural disasters and accidents on the agriculture business or the company's facilities; and other risks and factors detailed in the company's most recent periodic report to the SEC. Undue reliance should not be placed on these forward-looking statements, which are current only as of the date of this presentation. The company disclaims any current intention or obligation to update any forward-looking statements or any of the factors that may affect actual results.

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Commercialization is dependent on multiple factors, including successful conclusion of the regulatory process. **The information presented herein is provided for educational purposes only, and is not and shall not be construed as an offer to sell, or a recommendation to use, any unregistered pesticide for any purpose whatsoever.** It is a violation of federal law to promote or offer to sell an unregistered pesticide.

The Genuity® DroughtGard™ Hybrids trait has been deregulated by the U.S. Department of Agriculture. Import approvals in key corn export markets with functioning regulatory systems are in progress. For 2013, DroughtGard™ Hybrids will be commercially available in the western great plains area to growers who have signed and agree to follow the Genuity DroughtGard Hybrids Stewardship Agreement. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted.

Genuity® Roundup Ready® Alfalfa seed is available for sale and distribution by authorized Seed Companies or their dealers for use in the United States only. This seed may not be planted outside of the United States, or for the production of seed, or sprouts.

Monsanto Company is a member of Excellence Through Stewardship® (ETS). Monsanto products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Monsanto's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. This product has been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. **Do not export Genuity® Roundup Ready® Alfalfa seed or crop, including hay or hay products, to China pending import approval.** It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Excellence Through Stewardship® is a registered trademark of Biotechnology Industry Organization.

B.t. products may not yet be registered in all states. Check with your Monsanto representative for the registration status in your state.

IMPORTANT IRM INFORMATION: **Genuity® RIB Complete®** corn blend products do not require the planting of a structured refuge **except** in the Cotton-Growing Area where corn earworm is a significant pest. **Genuity® SmartStax® RIB Complete®, Genuity® VT Double PRO® RIB Complete® and Genuity® VT Triple PRO® RIB Complete®** corn are blended seed corn products. See the IRM/Grower Guide for additional information. Always read and follow IRM requirements.

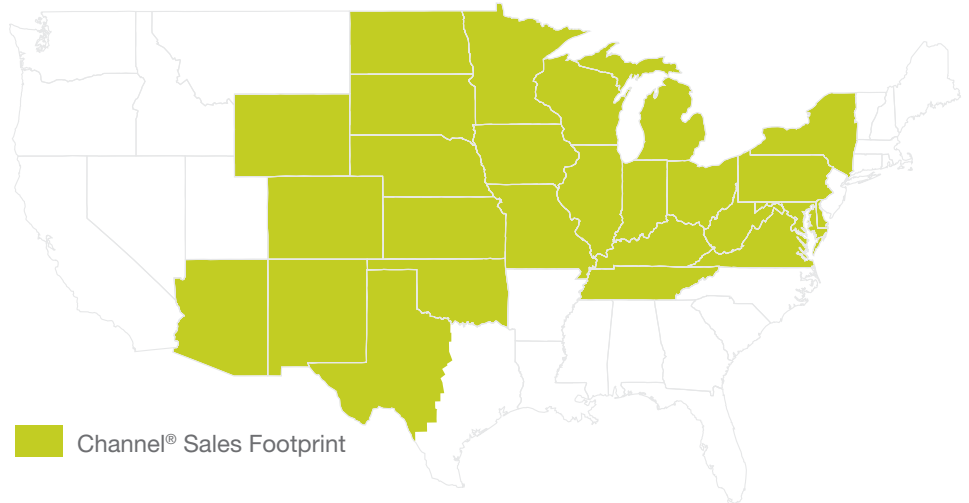
Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.

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Where to find a Channel Seedsman?

Most likely, you will find a Channel Seedsman visiting a farm or walking the field. If you need a knowledgeable partner for your operation, please visit channel.com to find the Seedsman nearest you.



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