

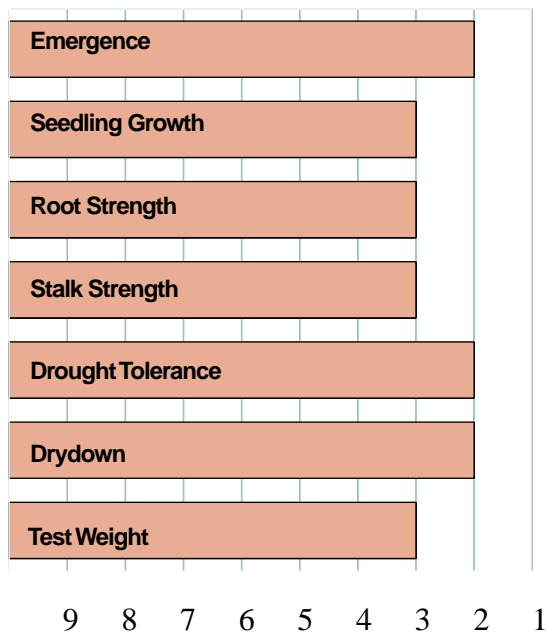


# DEKALB® Brand Corn DKC53-45 Brand (GENSS)

**NEW** DKC53-45 Brand (GENSS) 103-DAY RM

DKC53-45 (GENSS) is a high yielding widely adapted 100 RM corn. This product has excellent emergence and very good root and stalk strength. DKC53-45 performs very well under many different growing conditions ranging from drought stress to high yield environments.

Product Characteristics		
Category	Characteristic	Value
MANAGEMENT	Value Added Trait	GENSS
	Insect Resistance Management	Y
	Processor Preferred	N/A
	Relative Maturity	103
	GDUs to Mid-pollination	1265
	GDUs to Black Layer	2530
PLANTING	Planting Rate	M
	Emergence	2
GROWTH	Seedling Growth	3
	Root Strength	3
	Stalk Strength	3
	Drought Tolerance	2
	Greensnap	3
	Plant Height	M
	Ear Placement	M
HARVEST	Staygreen	4
	Harvest Appearance	3
	Drydown	2
	Test Weight	3
DISEASES	Northern Corn Leaf Blight	5
	Southern Corn Leaf Blight	3
	Gray Leaf Spot	6
	Eye Spot	4
	Common Rust	4
	Southern Rust	5
	Anthrachnose Leaf Blight	3
	Anthrachnose Stalk Rot	6
	Stewart's Leaf Blight	5
	Goss's Wilt	6
	Corn Lethal Necrosis	N/A
	Southern Virus Complex	N/A
	Headsmut	3
Diplodia Ear Rot	N/A	
HERBICIDE	Growth Regulators Sensitivity	A
	Sulfonyleureas Sensitivity	A
	Isoxazoles Sensitivity	A



### Key Strengths

- Maintains yield level across environments
- Excellent emergence and seedling growth
- Very good ear retention and test weight
- Good stalk and root strength

### Management Tips

- Wide area of adaptation - can be planted on any soil type
- Strong emergence allows use in conservation tillage and early planting
- Maintains yield levels across a wide range of planting populations
- Adapted to all crop rotations

Based on DEKALB-conducted trials. Relative to other DEKALB brand products. Rating Scale: 1-2=Excellent, 3-4=Very Good, 5-6=Good, 7-8=Fair, 9=Poor. Traits for which no rating value is shown were not rated for this product.

## Corn Legend

### Rating Scale:

- 1-2 = Excellent
- 3-4 = Very Good
- 5-6 = Good
- 7-8 = Fair
- 9 = Poor
- N/A = Not Available

The ratings are approximate and should not be considered as absolute. Based on Monsanto conducted trials relative to other Asgrow and DEKALB brand corn.

### Value Added Trait:


- YGCB = YieldGard Corn Borer
- YGRW = YieldGard Rootworm
- YGPL = YieldGard Plus
- RR2 = Roundup Ready Corn 2
- RR2/YGCB = YieldGard Corn Borer with Roundup Ready Corn 2
- RR2/YGRW = YieldGard Rootworm with Roundup Ready Corn 2
- RR2/YGPL = YieldGard Plus with Roundup Ready Corn 2
- VT/RR2 = YieldGard VT Rootworm Roundup Ready Corn 2
- VT3 = YieldGard VT Triple
- W = White
- WX = Waxy




**Insect Resistance Management**



**Market Choices®**

HFC = **Processor Preferred® High Fermentable Corn** exhibits the characteristics desired by dry mill ethanol plants 

HES = **Processor Preferred® High Extractable Starch** exhibits the characteristics desired by wet millers 

### Codes:

- L = Low
- S = Short
- M-S = Medium-Short
- M = Medium
- M-MH = Medium-Medium High
- M-H = Medium-High
- MH-H = Medium High-High
- M-L = Medium-Low
- M-T = Medium-Tall
- T = Tall
- H = High
- R = Resistant
- S = Susceptible

### Herbicide Class Ratings:

Ratings are based on observations and research using herbicides at and above labeled rates to simulate extreme environmental conditions, misapplication and adverse soil pH or organic content.

A = Acceptable

Either no adverse effects from the corn product/herbicide combination were noted on any traits or only slight damage could be noted under adverse conditions or herbicide application at higher than label rates.

C = Caution

The corn product/herbicide combination is usually not a problem if sprayed according to label directions, but can result in plant height reduction, stand loss and suspected yield loss under very adverse environmental conditions, high rates, or extreme soil pH levels or organic content. Use drop nozzle spraying for postemergence herbicides or plant in warm soils for incorporated herbicides to avoid interactions.

W = Warning

Not advised - this corn product/herbicide combination should not be used under any circumstances.

### GDU (Growing Degree Unit):

Although maturity of one corn product relative to another remains reasonably constant, the actual number of calendar days from planting to any given point of plant development varies with temperature, day length, rate and date of planting, soil fertility and other environmental factors. All GDU values calculated are from the time of planting.

## Contact Us At:

1-800-768-6387 or visit  
our online seed catalog  
at [www.asgrow.com](http://www.asgrow.com)  
or [www.dekalb.com](http://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.



Before opening a bag of seed, be sure to read and understand 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 Agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation to comply with those stewardship requirements.



Grain harvested from products that bear this mark is fully approved for food and feed use in the United States and Japan, but is not approved in the European Union. You must find a market for this crop that will not ship this grain or its processed products to Europe. Appropriate markets for this grain include: domestic feed use or grain handlers that specifically agree to accept this grain and handle it appropriately. For more information on your grain market options, go to the American Seed Trade Association's website at [www.amseed.org](http://www.amseed.org) or call your seed supplier.

MARKET CHOICES is a registered certification mark used under license from ASTA.

**Know Before You Grow**, an information service provided by National Corn Growers Association at [www.ncga.com](http://www.ncga.com).

Growers should refer to Monsanto's Technology Use Guide for information on crop stewardship regarding the potential movement of pollen to neighboring crops. ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Know Before You Grow<sup>®</sup> is a service mark of National Corn Growers Association. For more information call 1-866-SELL CORN.

IMPORTANT: The following information is current as of October 25, 2007: YieldGard Plus, YieldGard Rootworm with Roundup Ready Corn 2 and YieldGard Corn Borer with Roundup Ready Corn 2 are grandfathered for import and use in processed feed in the E.U. YieldGard Plus with Roundup Ready Corn 2, YieldGard VT Rootworm/RR2 and YieldGard VT Triple are neither approved nor grandfathered and there is zero tolerance for these traits in processed feed imported in the E.U. Growers of all products bearing the Market Choices mark must talk to their grain handler to confirm the handler's buying position for grain from these products. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted.

## Always Read and Follow Label Directions for All Products

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

YieldGard<sup>®</sup> corn products are not yet registered in all states. Check with your Monsanto representative for the registration status in your state.

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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.

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