



Seed Purchasing Guide

2011-2012

Quality Service • Quality Products



CROPLAN GENETICS R7 Placement Strategy

NEW Cooperative agronomy is proud to be partnered with Croplan Genetics. During the growing season, NEW Cooperative hosts Answer Plot Knowledge Events where the R7 Placement Strategy is demonstrated. It is used to evaluate production factors to correctly match the right seed with each field. The R7 Placement Strategy includes:

- The right genetics for
- The right soil type at
- The right plant populations in
- The right cropping system with
- The right traits fed
- The right plant nutrition defended with
- The right crop protection



Importance of Soil Type

Depending on the soil type in your fields, you should consider which corn seed is best suited for those soils to reach maximum growth potential.

In heavy soil types, corn maturities need to be conservative. Here, plant growth and development can slow down, especially in excessive rainfall. In sandy soil types, however, corn growth and development speed up. Utilize later maturities in these soil types.

Seed types that have large flex ear and fibrous root system genetics have the best performance in sandier, drought-prone soils due to their large surface areas for water absorption. In poorly drained sticky clays, eastern types perform the best. Their fixed ear size and large penetrating roots are able to break through the hardpan layers.

Western type genetic families perform poorly on saturated soils. These shorter types, if planted in lighter soil types with moisture stress, will promote the development of plants with ears that are too low to the ground. This could potentially result in weed control issues also. Western-style hybrids will perform best on clay loams if tilled. For the most adaptable hybrid across geographic areas, consider one with Northern male x Western combination.

Stalk Quality & Yield Potential

For the most profitable corn, yield potential is the first thing that comes to mind. However, stalk quality also needs to be considered in your placement strategy.

Stalk quality can have a large impact on the plant's health and in turn, the yield performance as well. A healthy plant should have the ability to remain green and alive after yield is complete. Live, green plants can fight off diseases such as stalk-rot. Stalk rot pathogens decompose dead plant tissue, but a green plant will be able to fight off these pathogens.

Ideally, corn plants in the fall should have a tan, loose husk. The grain should be exposed to the drying sun on a green plant with a purple stalk. A green plant is still producing sugars that improve stalk rigidity. When the grain sugars are exposed to the sun, a chemical reaction occurs,

forming a purple pigment. This indicates better stalk quality and a healthy corn field where harvest can be delayed.

Higher planting populations are great for increasing yield potential, however, if not carefully considered, they can have negative effects on stalk quality. A corn plant in increased competition, will grow taller and increase stalk diameter. Increasing plant populations will also elevate ear placement, which increases stalk lodging. In higher plant populations, steer clear of Southern and Tropical type hybrids. Higher plant populations with these types will lead to stalk collapse due to their poor rind strength. Eastern types, when used in high plant populations, will cause both stalk lodging and root lodging problems because of their high ear placement.



Fast Dry Down in Corn-on-Corn

Due to the high yielding ability of fast-dry hybrids, there has been an increasing amount of interest and use of these types in the last few years. Although they have much less staygreen than other types, and have decreased late-season plant health, they do have a greater high-end yield potential. This is due mostly to their ability of large ear development.

Be sure to consider the following for the best results when using fast-dry hybrids in a corn-on-corn rotation.

Select healthier genetics

Reduce planting populations

- High yields will be maintained due to large ears
- Will increase stalk quality and standability

Harvest before soybeans for higher income potential

- More acres harvested with one set of equipment
- Hedges risk of tasseling/silking over longer period of time
- Reduces drying costs



Fast-dry hybrids have high yield potential due to their large ear sizes.

The Right Seed for Corn-on-Corn

If harvesting after soybeans, hybrids with healthier genetics are encouraged. This would include those such as Eastern, Northern, Late Health and Early Health genetic families.

Corn harvested before soybeans should utilize large ear, fast-dry hybrids. Be aware that these are recommended to be planted in lower populations to ease the stress of the plant and enable improved performance for corn-on-corn cropping systems.

Staygreen in Continuous Corn

The importance of staygreen in corn plants can be greatly affected by a continuous corn rotation. This is mostly due to higher incidences of diseases and insects and in adequate fertility.

Diseases and insects overwinter on corn residue. This allows them to attack and prematurely kill the plant, suffering the stalk quality as well. Standability can be improved by planting hybrids that produce thick rinds. These could be Northern and Eastern types.

Continuous corn should have nitrogen rates monitored closely. Frequently, it will run out of nitrogen during grain fill since it lacks the late-season nitrogen release from a previous soybean crop. If closely monitored for nitrogen levels, Southern and Tropical genetic types will work on continuous corn in low planting populations.

CORN

Plot Data

2011

	Dekalb	LG	LG	LG	LG	Croplan	Croplan	Croplan	Mycogen	Mycogen	Mycogen
	61-69	2508	2529	2544	2549	4421	5438	6125	2H566	2V702	2V715
	VT3	VT3PRO	VT3PRO	VT3	VT3	VT3	SS	VT3	SS	Quad Stax	Quad Stax
	check										
Badger	242	218.6	221.1	236.3	244.5	193.7	222.2	249.8	206.1	223.3	237
Bode	196.2	174.4	179.5	194.2	209.7	190.3	200.9	218	203.5	197.8	193.3
LuVerne	185.9	164.5	170	143.4	189.2	162.5	181.8	186.1	172.3	183.2	180
Woolstock	182.8	214.1	181.1	204.1	225.8	182.9	176.5	184.9	174.1	194.5	179.6
Palmer	220	199.7	195.1	214.5	228.1	187.2	212.5	233.8	195.2	201.4	202.2
Knierim	195.7	149.4	124.7	172.1	205	132.6	186.9	205.2	171.8	211.6	202.7
Rockwell City	182.1	148.3	168.8	198.7	173.2	159.9	198	204.4	182.4	191.1	193.2
Roelyn	220.4	185	201.3	228.8	228.8	198.7	205	230.7	192.2	224.4	211.6
Otho	230.4	194.7	212	226.5	226.8	200.5	207.1	231.3	196.7	238.6	221
Glidden	221.9	194.5	209.7	206.4	214.1	177.9	187.3	193.8	182.4	219.4	218.4
Rank	12	23	22	16	5	24	19	7	21	10	15
AVERAGE	207.7	184.3	186.3	202.5	214.5	178.6	197.8	213.8	187.7	208.5	203.9

2010

	Dekalb	CROPLAN	CROPLAN	CROPLAN	Mycogen	Mycogen	Mycogen	Mycogen	Stine	Stine	Pioneer
	55-09	5338	5415	6125	2J597	2H523	2A551	2D692	9523	9528	35F44
	SS	VT3	VT3P	VT3	SS	SS	HXX/LL/RR2	SS	VT3	VT3P	HXX/LL/RR2
	check										
Badger	148.1	184.7	185.3	183.8	167.6	159.3	145.8	142.3	194	191.4	184.9
Lu Verne	222.4	199.6	201	229.3	200.7	177.9	193.7	176.2	209.7	203.2	203.2
Otho	238	234.6	239.1	239	220.1	224.7	231.4	227	238	242.3	234.4
Woolstock	121	138.6	149.8	198.2	174.2	161.1	161.7	142.8	148.3	165.2	166
Knierim	242.6	219.4	218.6	262.2	195.7	215.9	205.5	208.8	204.7	242.8	229.8
Palmer	199.1	190.6	211.8	208.2	191	191.5	199	204.4	188.7	200.2	216.7
Vincent		200	216.2	219.5	192.9	194.5	196.4	184.2			192.7
Lidderdale	198.2	199.2	197.2	209.4	177.9	177.8	166.4	166.3	180.2	197.5	183.9
Rockwell City	207.8	210.1	208.8	218	187.1	189.8	195.4	196.8	196.3	193.2	193.4
Bode	189.3	191.5	186.5	211.1	178.5	176.6	185.5	171.5	191.8	199.6	203
Rank	16	15	11	1	21	22	23	24	19	7	13
AVERAGE	196.3	196.8	201.4	217.9	188.6	187.9	186.5	183.8	190.9	204.7	200.8

2009

	Dekalb	CROPLAN	CROPLAN	CROPLAN	Mycogen	Mycogen	Mycogen	Mycogen	Stine	Stine	Pioneer
	59-64	4338	5338	6125	2Y547	2E696	2K662	2T699	9527	9626	35K04
	VT3	VT3	VT3	VT3	VT3	VT3	HXX/LL/RR2	VT3	VT3	VT3	HXX/LL/RR2
	check										
Badger	221.6	220.7	233.5	234.4	225.5	221.0	216.7	226.6	201.8	216.6	219.5
Rockwell City	235.7	183.3	218.2	213.4	203.5	211.2	208.8	211.4	216.6	209.9	205.1
Knierim	222.2	252.4	219.7	210.8	211.5	215.1	207.2	219.7	209.5	226.3	212.1
Palmer	213.3	193.9	226.6	220.8	203.7	216.5	206.2	214.6	215.7	222.6	208.4
LuVerne	179.7	198.1	191.2	188.0	201.9	178.6	163.8	163.1	169.6	167.0	191.0
Bode	220.2	206.2	237.6	226.2	221.5	225.2	210.7	216.1	218.9	211.5	213.4
Woolstock	178.3	185.7	193.5	226.4	180.8	190.8	164.7	193.9	212.3	200.6	198.2
Otho (hail)	158.5	148.3	162.7	157.5	158.6	165.5	157.0	151.2	161.5	147.0	160.3
Rank	13	20	5	6	16	14	22	19	17	18	15
AVERAGE	203.7	198.6	210.4	209.7	200.9	203.0	191.9	199.6	200.7	200.2	201.0
Avg w/o Otho	210.1	205.8	217.2	217.1	206.9	208.3	196.9	206.5	206.3	207.8	206.8
Rank	10	20	5	6	16	13	22	18	19	14	17



Plot Data

CORN

■ Top 5 Yielding Hybrids

Dekalb	NK	NK	NK	NK	Pioneer	Pioneer	Dekalb	Dekalb	Dekalb	Dekalb	Dekalb	Dekalb
61-69	N49J	N53C	N56V	N63R	PO461XR	90528AM1	53-78	55-09	57-50	62-54	62-97	61-69
VT3 check	3000GT	3111	3000GT	3000GT	HXX/LL/RR2	HXX/LL/RR2	SS	SS	VT3	VT3	VT3PRO	VT3 check
234	231.6	212.1	203.5	250.1	228.2	228.2	230.1	229.7	234	235.9	243.4	253.8
209.4	201.9	197.4	191.7	218	205.2	202.8	218.5	217.6	220.3	223.8	227.3	215.2
184.4	177	185.2	188	198.2	192.5	201.1	211.8	208.9	200	212.7	223.9	213.5
204.3	171.4	199	193	197.6	200.8	199.3	211.9	212.4	210.8	212.6	225.1	204.3
218.1	200.8	213	204.6	230.7	218.3	216.6	224.8	227.2	220.7	222.6	230	229.4
208.2	197.2	189.3	190.8	231.4	208.8	214.6	210.4	217	202.1	226.4	229.9	220.8
195.9	188.6	180.7	179.2	207.9	186.1	182.4	194.5	184.8	195.8	193.6	208.6	203.9
222.2	216.6	209	204.3	230.8	214.7	207.9	207.9	213.4	198.4	228.2	232.9	231
222.6	204.1	201.3	197.5	235.8	222.5	217.2	213.5	219.4	214.4	230.7	240.7	238
221.9	201.1	201.3	177	224.9	194.3	199.5	182.2	210.9	184.9	209.4	237.1	221.9
8	17	18	20	3	13	14	9	6	11	4	1	2
212.1	199.0	198.8	193.0	222.5	207.1	207.0	210.6	214.1	208.1	219.6	229.9	223.2

Dekalb	NK	NK	NK	LG	LG	LG	LG	Dekalb	Dekalb	Dekalb	Dekalb	Dekalb
55-09	N53W	N61P	N63R	2510	2532	2540	2549	52-59	53-78	57-50	61-69	55-09
SS check	3000GT	3000GT	3000GT	SS	VT3	VT3	VT3	VT3	SS	VT3	VT3	SS check
191.6	181.4	167.4	178.2	183.3	188.3	178.7	180.2	173.5	179.4	171	168.2	157.1
211.3	201.2	213.6	207.5	177.8	199.5	199.1	220.5	194.9	197.8	202	222.3	209.0
237.1	230.6	230.7	255.9	231.1	241.2	228.2	246.8	234.7	240.8	244.1	253.3	227.2
156.3	64.5	171.4	173.7	140.7	183.7	174.7	171.9	192.3	181.3	198.5	183.6	161.5
238.8	226.6	212.4	235.8	223	199.3	225.5	238.6	220.4	226.9	228.9	243.6	198.0
219.8	202.4	202	218.7	204.4	199.1	210.4	215.1	203.6	216.9	222	232.0	218.7
	197.6	207.4	192	208.6	213.7	206.5	207.5	208	199.6	199.6	206.1	205.3
195.5	189.3	194.8	196.2	202.6	196.8	198.8	187.4	199.6	190.4	215.7	206.7	197.1
202.4	210	193.6	202.8	201.6	195.5	195.2	180.3	199.7	193.1	195	218.7	180.0
198.8	199.8	207.4	211.5	177.6	196.1	204	217.5	198	196	188	229.1	200.1
6	20	14	3	18	10	12	4	8	9	5	2	17
205.7	190.3	200.1	207.2	195.1	201.3	202.1	206.6	202.5	202.2	206.5	216.4	195.4

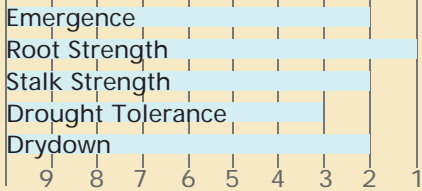
Dekalb	NK	NK	NK	LG Seeds	LG Seeds	LG Seeds	LG Seeds	Dekalb	Dekalb	Dekalb	Dekalb	Dekalb
59-64	N51T	N53W	N68B	2532	2540	2548	2552	52-59	53-41	61-69	62-54	59-64
VT3	3000GT	3000GT	GT/CB/LL	VT3	VT3	RR	VT3	VT3	VT3	VT3	VT3	VT3
236.2	204.4	232.1	199.8	233.3	212.7	207.4	196.3	227.9	243.5	253.1	226.5	227.1
217.8	198.1	202.3	215.8	207.9	206.9	190.1	201.8	192.4	211.4	215.0	212.9	205.4
222.3	190.6	222.7	233.6	214.4	205.9	219.8	219.8	202.3	229.8	220.4	219.9	203.1
218.8	189.7	226.1	217.2	230.5	224.2	206.1	232.2	200.0	222.9	235.0	224.7	228.3
177.7	185.8	203.1	179.6	228.4	196.4	190.8	208.3	205.6	203.1	184.6	207.9	211.2
216.6	203.2	216.5	225.3	228.9	221.1	210.1	226.9	212.2	223.9	242.7	236.9	221.7
226.5	206.8	189.5	199.0	213.5	197.2	190.2	208.4	210.4	211.1	213.0	212	197.3
158.3	150.8	146.0	180.8	165.8	172.7	144.8	178.8	156.4	171.7	181.6	173.3	167.9
7	23	11	10	2	12	21	8	16	3	1	4	9
209.3	191.2	204.8	206.4	215.3	204.6	194.9	209.1	200.9	214.7	218.2	214.3	207.8
216.6	196.9	213.2	210.0	222.4	209.2	202.1	213.4	207.3	220.8	223.4	220.1	213.4
7	22	9	11	2	12	21	8	15	3	1	4	8



CORN

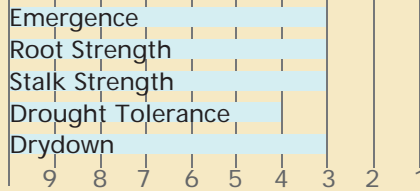
98 - 106 RM

DEKALB DKC48-12 (GENSS) 98 RM



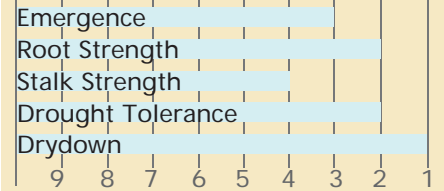
Excellent early vigor and seedling growth
Impressive standability
Early flowering with excellent drydown
Great intactness and harvest appearance

DEKALB DKC49-94 (GENSS) 99 RM



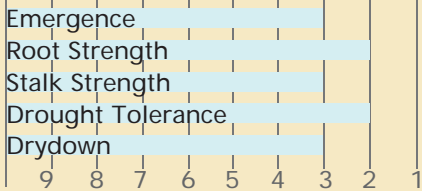
Great choice for top yield environments
Excellent standability and test weight
Responds well to irrigation
Good overall disease tolerance & staygreen

DEKALB DKC52-59 (VT3) 102 RM



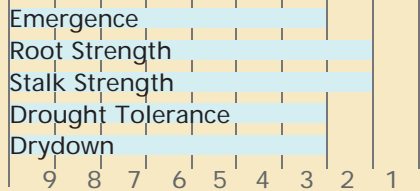
Excellent drydown & yield potential
Very good emergence & seedling growth
Strong performance in range of conditions
Very good drought tolerance

DEKALB DKC52-04 (GENVT3P) 102 RM



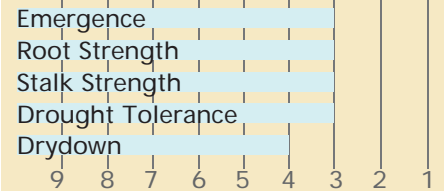
Excellent early vigor and seedling growth
Impressive standability
Early flowering with excellent drydown
Great intactness and harvest appearance

DEKALB DKC53-78 (GENSS) 103 RM



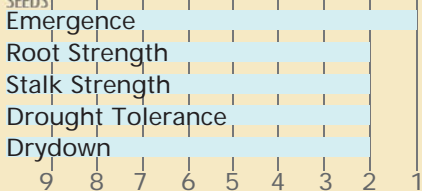
Vigorous emergence & early seed growth
Very good greensnap tolerance
Strong late-season stalks
Good choice for reduced tillage systems

DEKALB DKC56-55 (GENVT3P) 106 RM



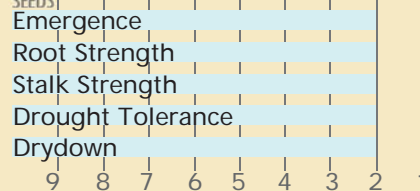
Solid agronomics & stable yield potential
Good Goss's Wilt tolerance
Very good stalks & roots
Very good greensnap & drought tolerance

LG SEEDS LG2496 (VT3) 100 RM



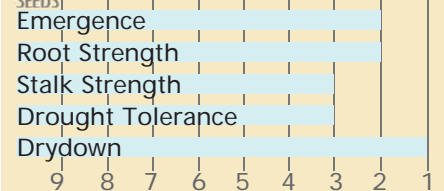
Exceptional yield for maturity
Good emergence & early vigor
Outstanding drydown & stalk rot tolerance
Performance is good across environments

LG SEEDS LG2501 (VT3P) 100 RM



Drought & stress tolerance is good
Good disease tolerance package
Fall intactness is excellent
High yield potential on good stand plants

LG SEEDS LG2525 (VT3P) 105 RM

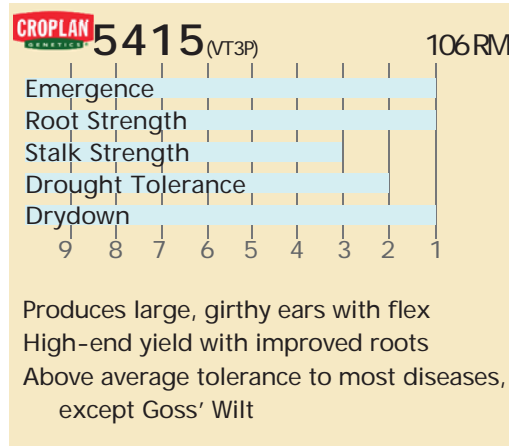
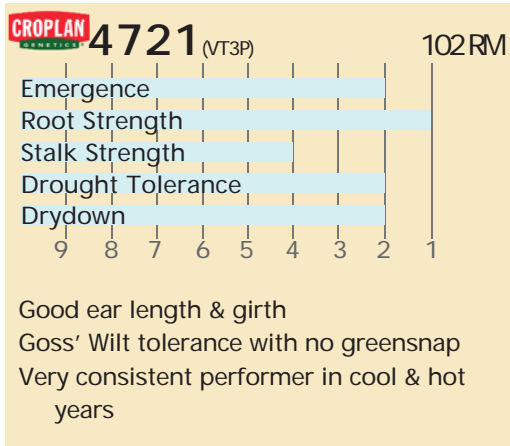
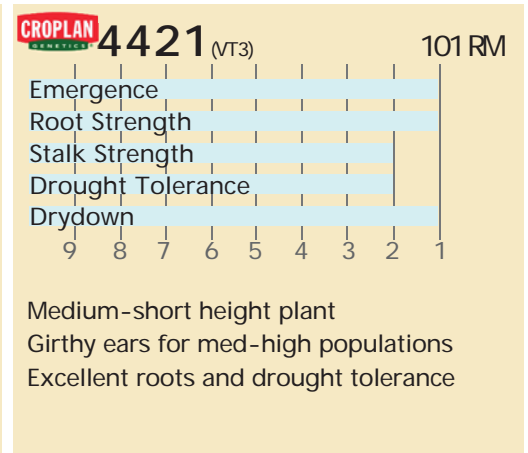
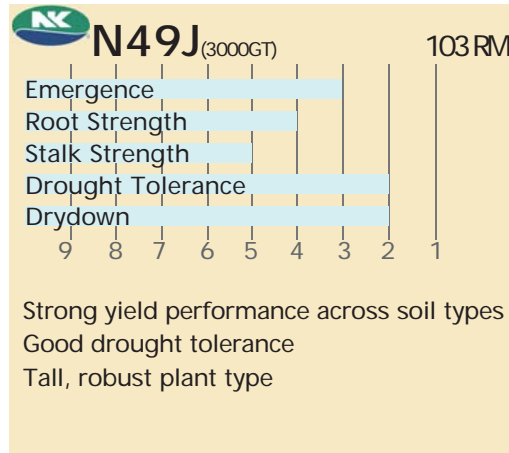
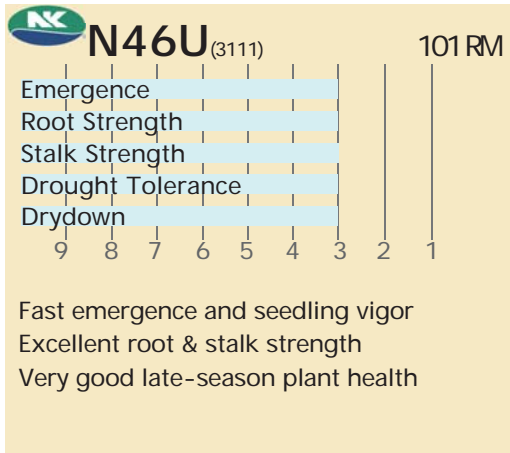


Good stalk & root strength
Good drought tolerance
Stable performance across environments
Good performance in all rotations

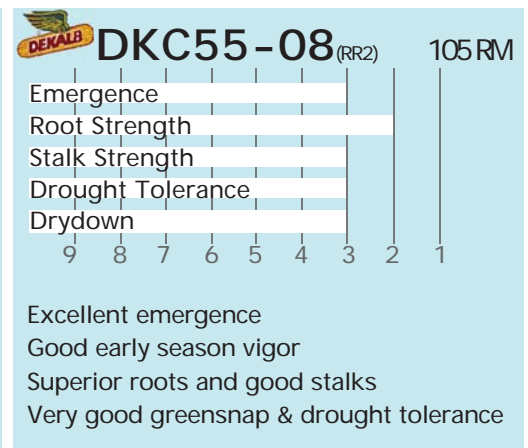
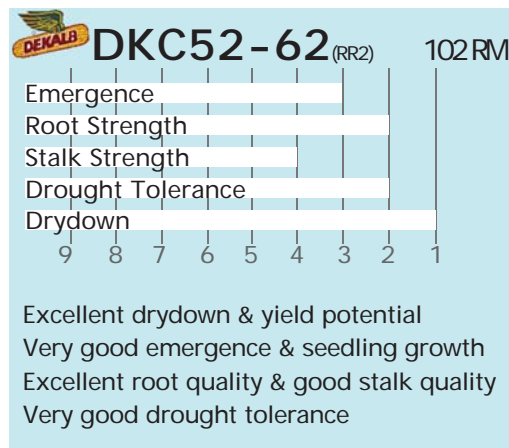
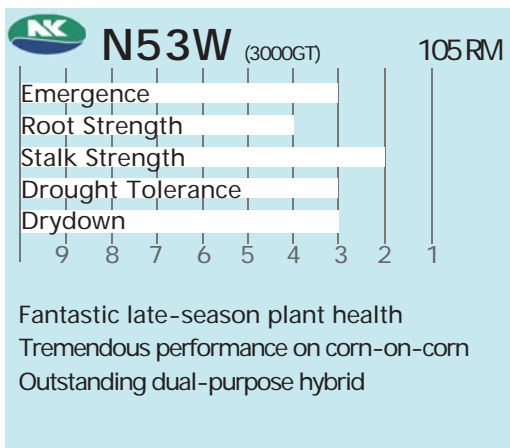


98 - 106 RM

CORN

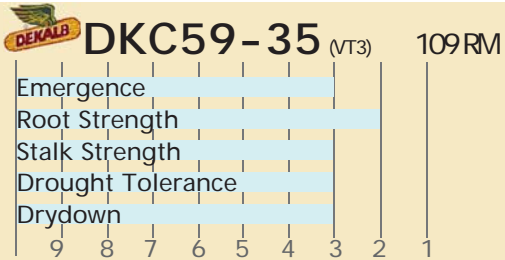


Refuge Hybrids

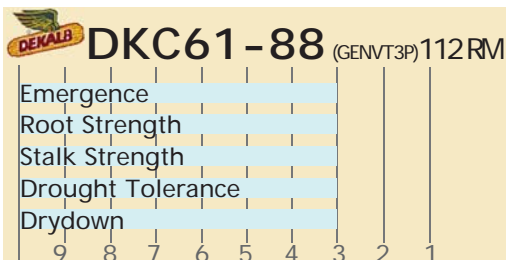


CORN

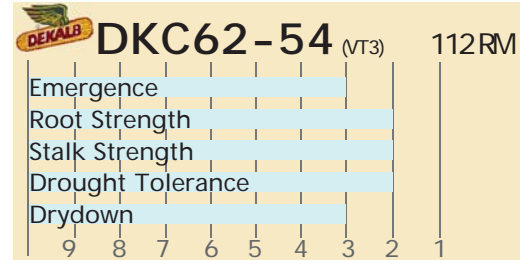
107 - 113 RM



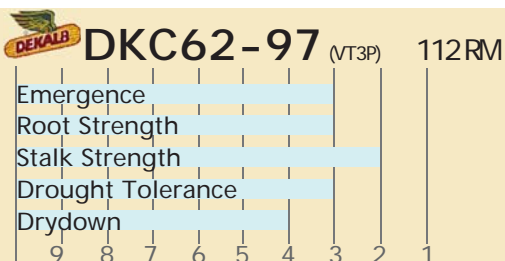
Strong roots & late-season stalks
 Very good drought & greensnap tolerance
 Very good overall disease tolerance
 Attractive staygreen & harvest appearance



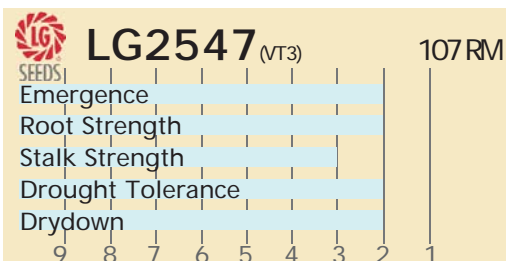
Exceptional top-end yield potential across environments
 Great stalks, roots & drought tolerance
 Very good drydown & test weight



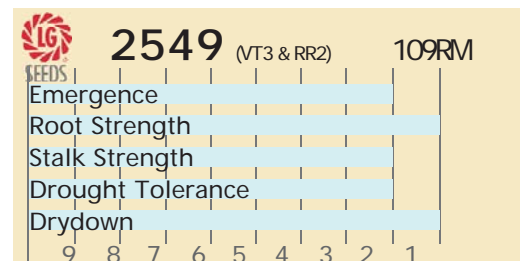
Excellent standability from strong roots
 Outstanding gray leaf spot & Northern corn leaf blight protection
 High yield potential in most soil types



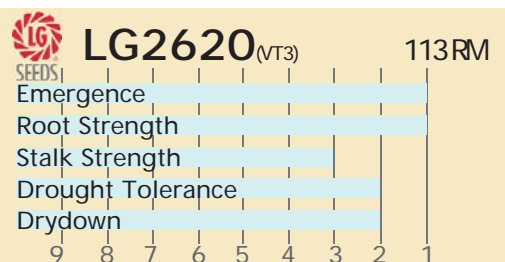
Top-end yield potential & agronomics
 Excellent staygreen & harvest appearance
 Excellent stalks & very good roots
 Very good drought & greensnap tolerance



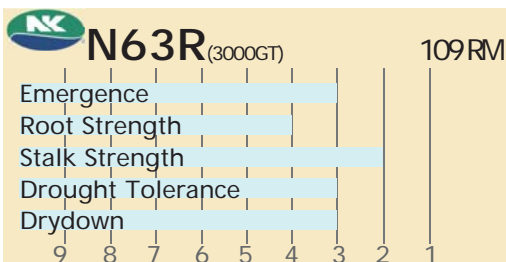
Outstanding yield potential
 Fast drydown
 Strong roots & good drought tolerance
 Benefits from higher planting populations



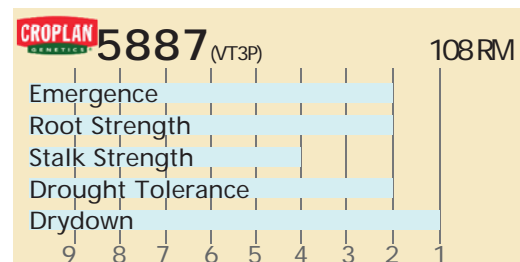
New leader for top-end yield potential
 Good performance across environments
 Girthy ears with deep kernels
 Good intactness & fast dry down in the fall



Very good seedling emergence
 Very good tolerance against major diseases
 Responds well in stressful environments
 Superior stalks & roots for ease of harvest



Outstanding stalk strength
 Strong disease package
 High-yielding genetics for best acres
 Best performance in higher populations

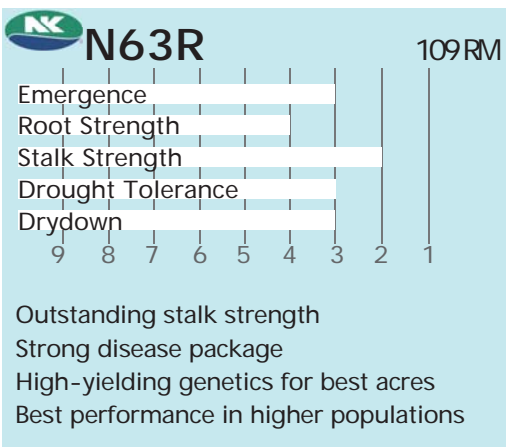
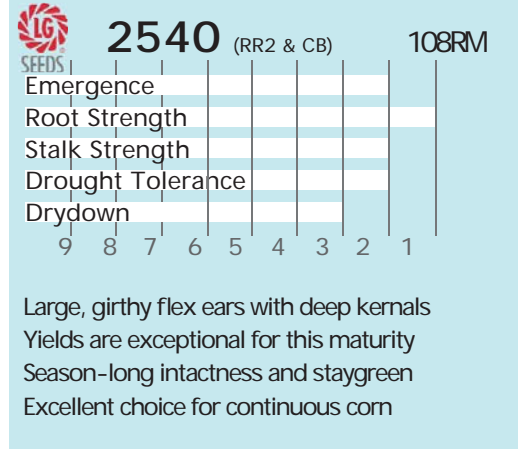
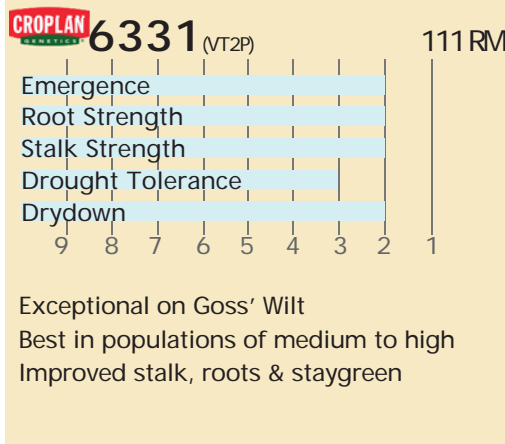
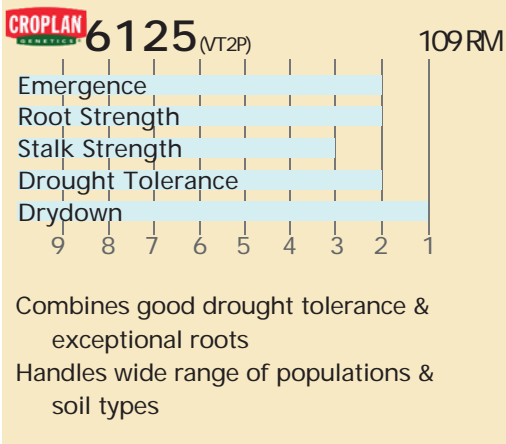


Fast dry with exceptional top-end yield
 Excellent grain finish & test weight
 Good roots to handle variable soil types



107 - 113 RM

CORN



Avicta[®] Complete

Today's Combination Seed Treatment

Avicta Complete Corn is a nematicide, insecticide and fungicide seed treatment combination of separately registered products. It teams Avicta seed treatment nematicide with Cruiser seed treatment insecticide and Apron XL, Maxim XL and Dynasty seed treatment fungicides or Maxim Quattro seed treatment fungicide premix. This seed treatment offers corn growers the only triple protection against nematodes, early-season insects and diseases.

The nematicide component provides effective nematode protection from day one, promoting stronger stands and emergence. This builds the foundation for better yields. Cruiser insecticide protects plants from a broad spectrum of troublesome insect pests and plays a critical role in establishing a strong early-season stand.



A Stronger Seed Treatment

The Poncho/VOTiVO seed treatment helps ensure your corn seed is protected from the moment it's planted and through the critical stages of early season development.

Poncho/VOTiVO protects corn seedlings and roots against nematodes through a new biological mode of action that introduces a revolutionary way of protection. This seed treatment contains a unique strain of bacteria that lives and grows with young corn roots and creates a living barrier that nematodes can't break through. Insect and

nematode damage can be due to a reduction of carbamate and organophosphate applications, lower soil disturbance from reduced-tillage practices and planting the same crop year after year. By utilizing VOTiVO, paired with the power of Poncho, the results will be consistently higher yields and a positive return on investment.



NEW Cooperative Replicated Test Plots

Providing Local Results for Better Input Decisions

Helping area farmers make the most informed decisions for their farming operation is a service that the NEW Cooperative agronomy department does not take lightly. We continually strive to find new ways of helping you make the best input purchases. One such way is through our 11 soybean and 10 corn replicated test plots placed throughout the NEW Cooperative service area. These plots include today's most genetically advanced hybrids and varieties from our extensive list of corn and soybean seed companies. The ability to view and compare these hybrids and varieties locally throughout the service area means you are better able to know their performance in your own fields and choose the best seed inputs for your operation.

NEW Cooperative replicated test plots are located near the following towns. Please be sure to attend Plot Days in the fall at one of these near you to make the most of this additional service to agronomy customers.

Badger

Bode

Glidden

LuVerne

Knierim

Otho

Palmer

Rockwell City

Roelyn

Woolstock

Additional Plots:

Winfield Solutions Answer Plot (Fort Dodge)

Blairsburg Dekalb/Asgrow Plot

Stratego YLD

Enhanced Disease Control for Higher Yield

Stratego YLD fungicide will not only provide plants with enhanced disease control, but because of an improved spectrum of protection, it will keep plants healthier. The broad-spectrum, effective disease control of Stratego YLD increases the plant's stress tolerance and harvestability meaning a greater yield potential.

Stratego YLD supplies corn and soybean plants with a higher degree of fungicidal protection, particularly against anthracnose, rusts and other diseases. It is also compatible with most crop protection products and adjuvants.

The unique movement in the leaf and redistribution properties of Stratego YLD to applied plants provides long-lasting disease protection. From the inside, the fungicide protects plants as it penetrates leaves and moves systemically throughout. From the outside, it binds to the surface of the leaf and diffuses in and on the waxy layers.

Corn Diseases Controlled

- Anthracnose
- Common rust
- Eyespot
- Gray leaf spot
- Northern corn leaf blight
- Northern corn leaf spot

Bean Diseases Controlled

- Alternaria leaf spot
- Anthracnose
- Asian soybean rust
- Cercospora blight
- Frogeye leaf spot
- Pod and stem blight
- Powdery mildew
- Rhizoctonia aerial blight
- Septoria brown spot

Headline AMP

Controlling Diseases & Improving Plant Health

Disease control and plant health has been taken one step further with the development of Headline AMP fungicide. Headline AMP combines the active ingredient in Headline with metconazole, a new triazole for use in corn. The result is the first combination fungicide that delivers maximum disease protection and plant health.

The proof is in the field. In initial replicated and university trials, Headline AMP provided superior control on the toughest diseases, such as Rust and Southern and Northern corn leaf blight. In these same trials, Headline AMP delivered nearly 7 more bushels per acre than the nearest competitive combination fungicide currently available.

To help you get the most out of every acre of your corn, apply Headline AMP at tassel as part of your regularly scheduled crop protection program.

Corn Diseases Controlled

- Anthracnose
- Eyespot
- Gray leaf spot
- Northern corn leaf blight
- Northern corn leaf spot
- Physoderma brown spot
- Rust
- Southern corn leaf blight
- Yellow leaf blight

Soybean Planting Tips

The amount of seed needed per acre is dependent on:

- Desired population density
- Seed size
- Seed quality
- Field conditions
- Planting equipment used

Plant densities are important to the outcome of the plant's yield. Excess plant densities may raise unnecessary seed input costs and can cause lodging problems. However, in thin stands, plants will not be able to form the complete canopy of leaves to utilize all available sunlight. This can also lead to weed competition and the development of branches and pods closer to the soil line, leading to harvest losses.

For the most optimal performance, plant sufficient seed to grow six to nine plants per foot in 30-inch rows, five to six per foot in 20-inch rows or three to four plants per foot in 10-inch rows.

It is recommended that for rapid emergence and uniform stands, plant soybeans 1 1/2 to 2 inches deep.



Brown Stem Rot

- A fungus
- Begins after pod development has begun
- Foliar symptoms appear from Aug - Sept
- Starts gradual yellowing, followed by wilting, curling and death of leaves
- Infected plants have a brownish cast and often lodge
- Losses are greatest when there is cool weather during podfill and followed by dry, hot conditions



Frog-eye Leaf Spot

- "Eyespots" found on leaves are gray or tan in the center and purplish-brown margins
- The entire lesions will eventually turn black
- Can also grow on stems and pods
- Premature leaf drop will occur in affected plants
- Development and spread are facilitated by warm, moist weather
- Plant resistant varieties/rotate crop after infection



Sudden Death Syndrome (SDS)

- Fungal disease
- Common in cool, moist growing seasons
- Symptoms begin with yellowish lesions on upper leaves in interveinal area
- Veins stay green while lesions spread, eventually turning entire leaf brown and falling off
- The pith will stay white
- The disease is most severe after earlier infections

SOYBEANS

2011

	Stine 2420-4 check	Stine 2420-4 CruiserMaxx check	Stine 21RB62 CruiserMaxx	Stine 22RC62 CruiserMaxx	Stine 23RA22 CruiserMaxx	Stine 24RB00 CruiserMaxx	Croplan R2C2070 CruiserMaxx	Croplan R2T2440 CruiserMaxx	Croplan R2C2980 CruiserMaxx	Latham L2084 Soyshield Plus	Latham L2440 Soyshield Plus
Badger	53.8	56.9	57.2	54.8	56.5	47.8	64	58.9	52.6	64.4	51.2
Bode	57.8	57.4	57.2	57.9	49.9	47.8	59.7	55.1	50.1	60.1	48.2
LuVerne	57.1	58.8	60.0	59.5	50.1	42.6	59.9	55.9	49.9	64.6	53.3
Woolstock	50.7	56.9	69.7	62.5	61.0	49.4	70.9	66.3	56.4	56.9	54.1
Vincent	51.0	50.4	50.3	52.0	49.2	49.7	56.3	50.4	49.4	57.2	50.4
Palmer	62.4	64.8	64.2	68.7	62.6	53.3	71.0	68.2	57.8	67.4	64.7
Knierim	49.2	65.9	60.7	58.4	57.3	55.1	56.9	60.7	61.1	58.5	57.8
Rockwell City	52.2	54.3	52.4	52.6	51.1	45.3	50.1	56.4	53.3	52.1	56.7
Roelyn	49.1	54.3	60.8	55.3	55.7	49.2	59.0	48.4	53.2	49.3	51.0
Otho	72.3	70.8	71.4	66.8	62.9	59.0	66.8	66.2	64.5	67.9	62.5
Glidden	59.2	64.5	63.4	62.4	60.1	58.7	66.5	62.3	62.9	66.0	60.9
Rank	20	9	5	13	19	24	3	14	21	6	22
AVERAGE	55.89	59.55	60.66	59.17	56.04	50.72	61.92	58.98	55.56	60.40	55.53

2010

	Stine 2062-4 check	Stine 2062-4 Cruiser check	Stine 1932-4 Cruiser	Stine 23RA22 Cruiser	Stine 2420-4 Cruiser	Stine 27RA02 Cruiser	CROPLAN RC2100 Cruiser	CROPLAN RC2257 Cruiser	CROPLAN RC2539 Cruiser	CROPLAN RC2620 Cruiser	NK S23-A8 Cruiser
Otho	33	38.3	59.3	47.4	53.9	39	33.5	35.5	36.8	40.4	50.3
Badger	25.0	28.8	52.5	50.5	54.5	34.4	33.2	29.3	32.3	26.1	41.6
Bode	41.9	41.6	59.2	65.7	65.7	62.1	60.0	62.1	61.6	63.0	62.3
Palmer	61.3	60.4	53.7	59.7	63.1	60.2	28.3	57.0	50.9	57.2	56.4
LuVerne	50.0	55.5	51.9	56.2	56.6	56.0	54.6	56.3	54.9	54.5	58.8
Roelyn	55.2	61.4	65.2	63.6	60.9	61.2	52.6	54.7	50.7	50.6	55.2
Knierim	38.3	54.4	54.9	60.9	62.1	58.8	53.7	51.9	49.8	57.1	57.7
Woolstock	41.5	43.1	47.9	45.2	50.4	36.9	33.1	34.1	34.1	49.8	47.2
Rockwell City	43.9	56.2	53.7	58.6	60.3	56.9	55.2	54.9	53.1	57.8	55.8
Glidden	49.2	49.2	55.3	55.0	58.5	52.0	48.5	49.7	42.6	42.1	50.2
Rank	24	18	4	2	1	13	23	19	22	15	7
AVERAGE	43.3	48.9	55.4	56.3	58.6	51.8	45.3	48.6	46.7	49.9	53.6

2009

	Stine 2062-4	Stine 2062-4 Cruiser	Stine 1932-4 Cruiser	Stine 2420-4 Cruiser	Stine 2538-4 Cruiser	Stine 2602-4 Cruiser	NK S19-A6 Cruiser	NK S25-T7 Cruiser	NK S26-P1 Cruiser	NK S27-C4 Cruiser	Asgrow AG2108 Cruiser
Badger	48.8	52.7	55.1	58.6	56.2	56.4	52.8	54.7	53.0	58.0	53.3
Bode	61.9	60.1	61.3	66.0	68.8	62.4	62.0	60.1	61.3	61.1	66.7
Palmer	59.8	71.5	63.8	70.6	65.7	63.2	63.8	66.8	64.8	68.3	63.8
LuVerne	69.5	69.0	66.0	68.2	65.1	57.9	67.5	65.6	60.0	65.3	66.1
Knierim	48.8	64.2	68.1	65.8	61.5	61.2	60.7	56.0	59.4	66.5	58.4
Vincent	51.3	51.8	51.5	49.3	48.5	54.0	50.8	54.9	57.1	62.9	57.0
Woolstock	55.2	57.7	65.9	61.5	55.6	59.4	55.4	57.6	64.4	57.8	59.9
Rockwell City	51.6	52.3	59.0	58.7	55.5	46.4	54.0	57.1	58.6	59.7	54.2
Rank	20	14	9	5	16	19	18	17	15	4	14
AVERAGE	55.9	59.9	61.3	62.3	59.6	57.6	58.4	59.1	59.8	62.5	59.9



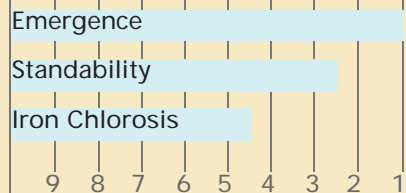
SOYBEANS

■ Top 5 Yielding Varieties

Stine 2420-4 CruiserMaxx check	NK S20-Y2 CruiserMaxx	NK S23-A8 CruiserMaxx	NK S25-T8 CruiserMaxx	NK S27-C4 CruiserMaxx	Pioneer 92Y51	Asgrow AG2031 Acceleron	Asgrow AG2232 Acceleron	Asgrow AG2330 Acceleron	Asgrow AG2632 Acceleron	Asgrow AG2831 Acceleron	Stine 2420-4 CruiserMaxx check	Stine 2420-4 check
62.0	56.7	61.4	50.6	64.8	68.9	69.5	53.4	67.6	63.4	66.5	69.6	64.5
56.9	58.9	56.6	52.9	47.1	51.5	59	57.6	53.1	50.2	49.5	54.8	55.2
59.2	61.8	58.7	56.0	48.4	55.4	64.0	59.5	58.0	49.3	55.8	61.4	59.5
58.5	68.7	59.8	67.2	50.3	57.9	70.5	70.7	55.2	63.5	54.7	57.4	63.3
55.7	59.7	55.7	58.1	50.4	53.0	55.2	55.5	50.8	51.3	51.4	53.1	52.5
65.6	71.4	65.3	64.8	64.9	62.0	71.4	67.8	60.9	60.9	58.7	66.2	64.2
64.8	58.0	57.3	62.7	57.3	57.8	54.2	48.8	53.3	59.2	56.5	61	60.6
56.3	57.0	51.3	57.4	49.1	51.7	52.8	56.6	51.8	53.3	49.8	55.8	54.0
59.3	58.9	54.4	56.6	49.8	49.7	61.2	59.0	50.5	48.7	54.6	49.2	52.9
69.2	70.2	67.9	66.5	58.9	62.8	69.3	67.9	60.6	62.1	61.5	65.9	68.5
68.4	68.8	64.0	66.1	59.7	67.4	67.1	65.7	61.9	66.7	63.0		
4	2	12	8	23	15	1	7	17	16	18	11	10
61.45	62.74	59.31	59.90	54.61	58.01	63.11	60.23	56.70	57.15	56.55	59.44	59.52
NK S25-T8 Cruiser	Stine 2062-4 Cruiser check	NK S26-P1 Cruiser	NK S27-C4 Cruiser	Asgrow AG2031 Acceleron	Asgrow AG2330 Acceleron	Asgrow AG2430 Acceleron	Dekalb DKB27-52 Cruiser	Latham 1985 Acceleron	Latham 2085 Cruiser	Latham 2182 Cruiser	Stine 2062-4 Cruiser check	Stine 2062-4 check
53.1	40.9	47.1	50	57.5	46.7	49.4	45.3	39.7	58.7	43.6	42.5	46.2
36.0	27.5	37.9	40.8	45.8	44.7	35.8	35.1	28.7	46.1	34.1	32.6	39.3
64.6	61.7	64.2	61.3	64.2	62.7	62.5	62.2	62.8	59.9	60.4	60.3	58.5
61.9	57.0	56.5	51.8	58.3	59.4	61.3	56.5	57.7	54.3	50.1	48.5	46.8
57.9	57.2	55.8	57.7	55.5	58.4	59.4	59.0	57.4	55.2	55.8	54.3	57.6
58.6	49.4	57.6	56.0	60.9	59.7	60.8	62.5	61.9	62.4	57.2	60.1	58.8
59.7	54.9	58.3	56.5	48.8	51.6	55.8	52.6	57.2	51.9	54.6	52.1	50.8
52.4	43.2	49.6	44.7	47.7	43.0	42.8	42.3	30.1	38.1	29.9	22.5	22.7
60.7	53.6	55.7	54.9	51.3	53.7	56.2	55.0	54.0	51.8	49.7	49.7	48.3
51.5		45.8	48.0	54.6	50.3	54.2	52.6	56.9	55.4	54.4	47.3	52.0
3	16	10	12	5	9	6	11	14	8	17	21	20
55.6	49.5	52.9	52.2	54.5	53.0	53.8	52.3	50.6	53.4	49.0	47.0	48.1
Asgrow AG2430 Cruiser	Stine 2062-4 Cruiser	Asgrow AG2839 Cruiser	Dekalb 27-52 Cruiser	CROPLAN RC2100 Cruiser	CROPLAN RC2257 Cruiser	CROPLAN RC2350 Cruiser	CROPLAN RC2620 Cruiser	Latham 2082 Cruiser	Latham 2085 Cruiser	Latham 2285 Cruiser	Stine 2062-4 Cruiser	Stine 2062-4 check
61.4	54.6	57.4	58.8	59.1	56.6	58.3	58.9	58.6	57.0	58.4	56.6	58.6
62.7	70.1	65.7	63.0	65.6	62.7	63.0	66.8	64.8	68.5	65.2	69.9	65.1
70.5	65.8	69.7	62.7	70.0	66.4	65.7	70.2	65.8	64.8	69.6	63.7	65.1
59.6	62.3	63.2	71.9	65.8	70.7	66.1	69.4	67.5	67.9	69.6	67.9	62.7
65.7	62.8	66.5	59.6	59.7	63.3	68.0	70.2	68.6	67.7	70.3	67.1	67.3
58.0	56.7	56.5	62.6	54.3	50.7	47.2	55.9	53.4	51.8	51.9	63.8	52.5
57.0	59.9	56.7	60.5	56.6	57.3	58.5	63.7	51.3	59.6	55.4	58.8	55.8
61.0	57.3	58.8	61.9	60.3	62.2	56.1	65.5	59.1	59.0	60.1	57	58.5
6	10	7	3	8	10	13	1	11	6	3	2	12
62.0	61.2	61.8	62.6	61.4	61.2	60.4	65.1	61.1	62.0	62.6	63.1	60.7

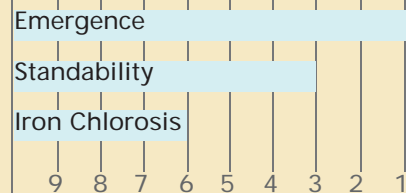
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STINE 1932-4 1.9MR



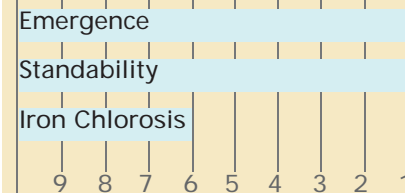
One of Stine's top sellers
 Excellent emergence for fast starts
 Moderately tall plant height
 Above-average tolerance to BSR & SWM

STINE 19RA02 1.9MR



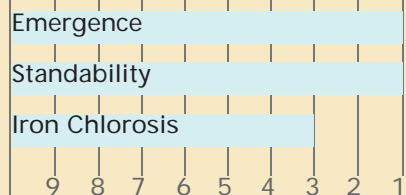
Excellent emergence for fast starts
 Good standability for ease of harvest
 SCN resistant
 Rps1c PPR resistance

STINE 20RC82 2.0MR



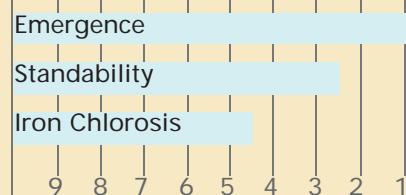
Excellent emergence for fast starts
 Good standability for ease of harvest
 SCN resistant
 Rps1a PPR resistance

STINE 21RB62 2.1MR



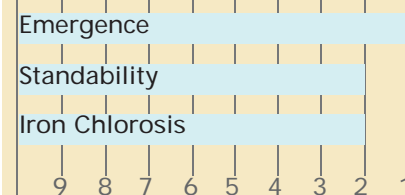
Excellent emergence for fast starts
 Good standability for ease of harvest
 SCN resistant
 Rps1^k multi-race PPR root rot resistance

STINE 23RA22 2.3MR



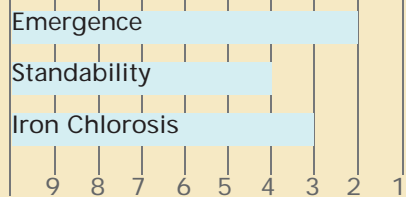
Excellent emergence for fast starts
 Good standability for ease of harvest
 SCN resistant
 Medium to moderately tall plant height

STINE 2420-4 2.4MR



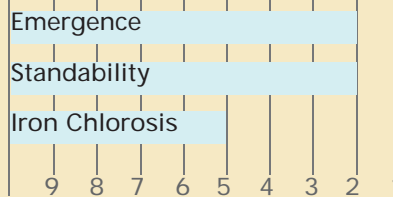
Excellent emergence for fast starts
 Good standability for ease of harvest
 SCN resistant
 Protection against BSR, SDS & SWM

STINE 25RC28 2.5MR



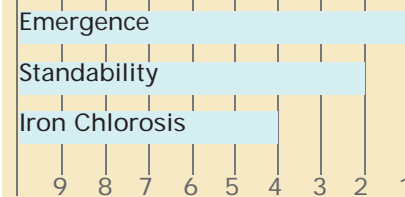
Excellent emergence for fast starts
 Moderate SCN resistance
 Great tolerance to IDC and SDS
 Rps3a PPR root rot resistance

ASGROW AG2031 (RR2Y) 2.0MR



Widely adapted product with strong yield potential
 Resistant to SCN race 3
 Defense against multiple races of PPR

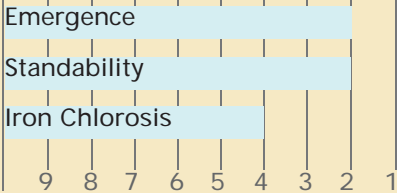
ASGROW AG2232 (RR2Y) 2.2MR



Good performance across environments
 Resistance to SCN
 Outstanding protection against PPR
 Tolerance to SDS

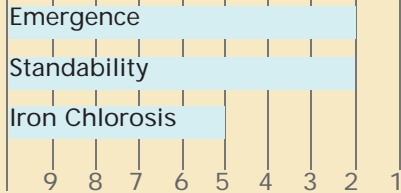
SOYBEANS

ASGROW AG2632 (RR2Y) 2.6MR



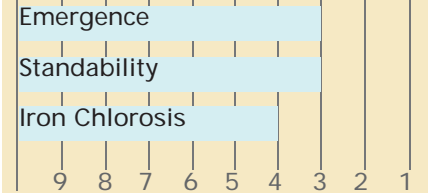
Strong yield performance in '09 & '10
Protection against SCS & PPR
Medium-tall plant type with good emergence & standability

ASGROW AG2731 (RR2Y) 2.7MR



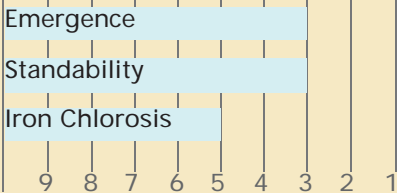
Outstanding protection against SCN,
PPR, SDS and brown stem rot
Adaptable to most production systems

NK S20-Y2 (RR2Y) 2.0MR



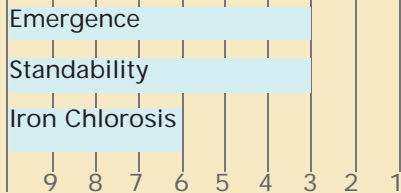
Rps1^k gene
Very good SDS tolerance
Above average IDC tolerance

NK S25-T8 2.5MR



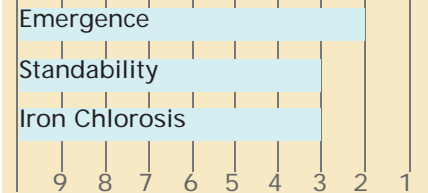
Excellent SDS tolerance
Above average stress tolerance
Very good standability

NK S27-C4 2.7MR



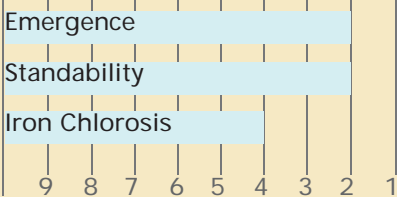
High yielding SCN resistance soybean
Industry leading SDS disease tolerance
Strong SWM tolerance & standability

CROPLAN R2C2070 (RR2Y) 2.0MR



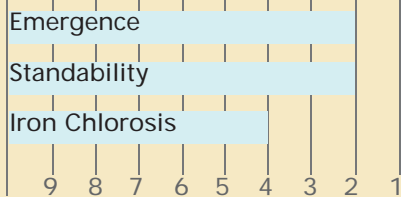
RR2Y with BSR resistance
Rps1^k gene protection against PPR

CROPLAN R2T2440 (RR2Y) 2.4MR



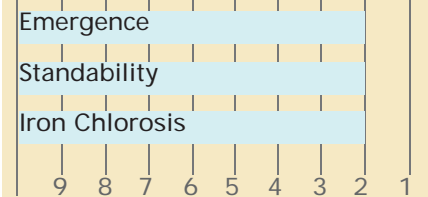
Outstanding yield potential
BSR resistance
Rps1c for PPR resistance

CROPLAN R2C2550 (RR2Y) 2.5MR



Healthy line with great disease package
BSR resistance
Tall, rugged, tawny brown plant type

CROPLAN R2T2500 (RR2Y) 2.7MR



Combination of R2T2400 & R2C2550
Excellent SWM, SDS, SCN & PPR tolerance of R2C2550
Outstanding yield potential of R2T2440



Thank you for your business and allowing me to provide you with information on today's most advanced corn and soybean seed genetics from the industry's most reputable seed companies. I look forward to being your trusted agronomy input and service provider.

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