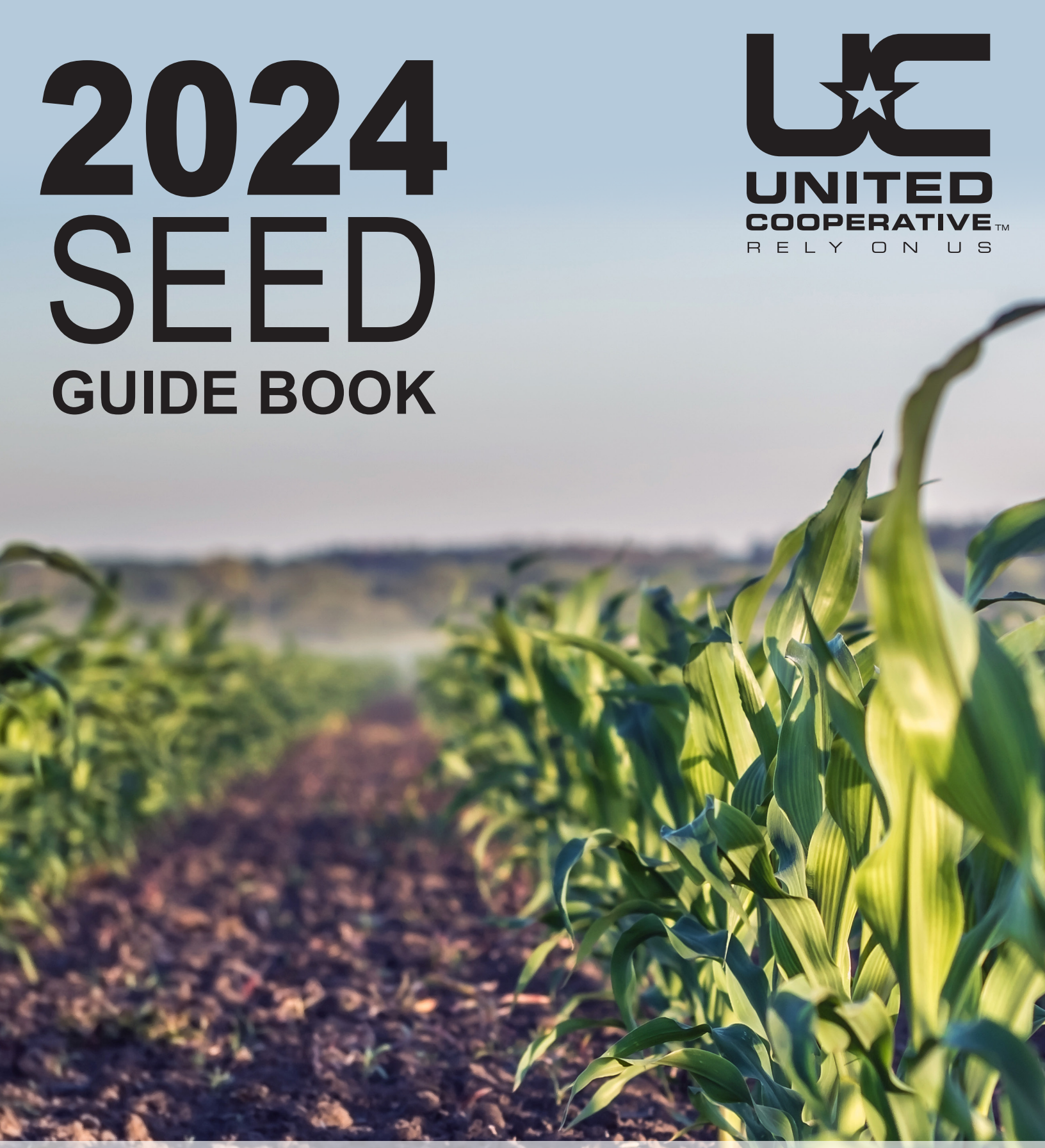
2024 SEED GUIDE BOOK

UNITED COOPERATIVE™
RELY ON US



DEKALB
ASGROW®
CROPLAN®
BREVANT™ seeds
NK

CONTENTS

THE KEY TO APPLYING FERTILIZER WITH THE GREATEST ROI IS LOOKING AT IT ON A PER ACRE BASIS.

SMART Precision Technology

UNITED COOPERATIVE

OUR SMART PROGRAM IS DESIGNED TO PUT FERTILIZER WHERE IT PAYS THE MOST.

LEARN MORE ON PAGE 16

DKC36-48 (86 RM)
VT2P
- Good Roots & Stalks
- Good emergence and seedling vigor
- Good flex allows it go across multiple soil types keep pops lower

DKC39-54/55 (89 RM)
SSRIB and VT2PRIB Options
- Very good emergence and seedling vigor
- Excellent drydown and test weight
- Shorter stature for RM
- Performs in both variable and highly productive soils can push pops

DKC40-64 (91RM)
SSRIB Only
- Broad acre product with strong yield potential
- Consistent Semi-flex ear type
- Very strong emergence with strong stalks and roots
- Great to pair with DKC39-55VT2P

DKC42-64/65 (92 RM)
SSRIB and VT2PRIB Options
- Solid emergence & vigor
- Good roots & stalks
- Excellent greensnap tolerance
- Very good stress tolerance
- Responds well to higher pops

DKC43-75 (93RM)
VT2PRIB Only
- Go anywhere type product
- Responds to higher pops
- Small compact plant structure

DKC093-76/77 (93RM)
SSPRORIB and VT2PRIB
- Very Strong Emergence and Seedling growth
- Good No-Till/Early planting option
- Go anywhere style product
- Solid root with very good stalk strength

DKC095-57 (95RM)
VT4PRIB
- More Racehorse style product
- Likes medium pops – Good flex and girth
- Shown strong response to fungicide
- Great pair with DKC45-74SS

DKC45-35 (95 RM)
VT2PRIB Only
- Exceptional yield performance
- Semi-flex ear type – Med pops
- Average stress/drought stress
- Very good roots and stalks
- Excellent TW and Quality

DKC45-74 (95 RM)
SSRIB
- Go anywhere style product
- Very Good emergence
- Great plant health
- Semi-flex ear but will respond to med-med/high pops
- Excellent late season health and standability

DKC096-21 (96 RM)
TRERIB
- Broad acre style product
- Good Emergence and vigor
- Excellent stress tolerance with fast drydown
- Medium-high pops – more fixed ear type

DKC47-84/85 (97 RM)
SSRIB and VT2PRIB
- Top end performance
- Strong defensive characteristics
- Good Go anywhere style.
- Strong roots (2) with very good stalks (3)
- DKC48-34 (98 Day)
- SSRIB
- Every Farm type Product
- Excellent Emergence and Vigor
- Solid agronomics – Roots and Stalks
- Very Good Staygreen and Harvest Appearance (2)

DKC48-69 (98 RM)
VT2PRIB
- Offers top end yield with strong agronomics
- Go anywhere type Hybrid
- Semi Flex girthy ear – recommended Medium pops
- Solid roots and stalks

DKC099-11 (98 RM)
VT2PRIB
- Impressive Yield Performance with wide adaptation to management practices
- Very Good Emergence and Vigor
- Very Good Drought Stress Tolerance
- Good Staygreen and Harvest Appearance

DKC098-88 (98 RM)
VT4PRIB
- Top-end yield potential with strong defensive package
- Good stalks and excellent roots
- Average TW with good grain quality

DKC49-24 (99 RM)
SSRIB
- Best position on the higher managed acre
- Medium to better acre placement
- Taller attractive upright profile with- semi-fixed ear size
- Good grain quality and TW

DKC101-33/35 (101 RM)
SSPRO and VT2P
- IMPRESSIVE YIELDER
- Consistency and good tip fill on moderately girthy ear
- Can utilize pops of ML-MH
- Suitable for many different yield environments

DKC102-13 (102 RM)
VT4P Only
- Very Good Emergence and Vigor
- Excellent stature and look in the field-Solid Roots and Stalks
- Good Drought Tolerance
- Pair with/Replace 52-18

DKC102-28 (102 RM)
VT2P
- Eye catching hybrid with impressive Stress tolerance
- Good Staygreen and harvest appearance
- Very good emergence, Stalks, and Roots
- Medium to medium-high pops
- Pair/replace DKC52-99/51-25

DKC52-99 (102 RM)
TRE
- High management – Feed it
- Good roots
- Semi-fixed ear
- Avg plant health & appearance
- Will respond to fungicide

DKC103-47 (103 RM)
SSPRO
- Excellent Agronomics
- Solid Disease Package
- Excellent Grain Quality and TW
- Package with 101-33/105-33

DKC105-33/35 (105 RM)
SSPRO and VT2P Options
- Impressive yield potential -
- Excellent staygreen and Harvest appearance
- Impressive emergence and seedling vigor
- Girthy semi-Flex ear, Plant Med – Medium High pops

DKC56-26 (106 RM)
TRE Only
- Excellent yield potential across different environments
- Excellent Stress package
- Die and Dry type hybrid
- All about the Yield!

DKC57-45 (107 RM)
TRE Only
- Excellent Stalks, good roots, and very good greensnap.
- Widely adapted product
- Consistent yield performance
- Solid Disease Package

DKC108-64 (108 RM)
SSPRO Only
- Top end Yield
- Best Positioned on highly managed acre
- Excellent Roots, Stalks, and Stress Tolerance
- Avoid history of FCR

DKC59-81/82 (109RM)
SSRIB an VT2PRIB Options
- Outstanding yield potential
- Very good standability in lower yield environments
- Semi-determinate ear
- Excellent standability and greensnap tolerance

DKC110-10 (110RM)
SSRIB Only
- Broad acre product with an attractive field appearance, Staygreen, and Late Season Health
- Very good roots, Stalks, and Greensnap
- Very good TW (2)
- Strong Disease package
- Replacement for DKC61-40SS

DKC63-90/91 (113 RM)
SSRIB and VT2P Options
- Very competitive yields across all environments
- Semi-fixed ear type
- Upright canopy with good standability
- Good disease package

2024 WI Corn Characteristics North

PRODUCTS					RM	GDU - Flowering	GDU - Black Layer	Variable Soils	Highly Productive Soils	Corn on Corn	Emergence	Seedling Growth	Root Strength	Stalk Strength	Drought Tolerance	Greensnap Tolerance	Drydown	Staygreen	Test Weight	Northern Corn Leaf Blight	Gray Leaf Spot	Anthracnose Stalk Rot	Goss' Wilt	Growth Regulator Sensitivity	Overall Response to Fungicide	140 to 160 (bu/ac)	160 to 180 (bu/ac)	180 to 200 (bu/ac)	200 to 220 (bu/ac)	220 to 240 (bu/ac)
GENSS/RIB	**SSPro/RIB**	**VT4P/RIB**	**TRE/RIB**	**VT2P/RIB**	**80-89RM**																				Planting Rate (PPA) x Yield Environment					
				DKC31-85	81	1080	2025				3	3	3	3	2	3	3	3	3	3	5	4	4	A	Moderate	30	32	34	36	38
				DKC32-35	82	1080	2060				2	2	2	3	2	2	2	2	3	4	6	2	5	A	Moderate	28	30	32	34	36
DKC35-34					85	1115	2145				2	2	3	2	3	2	3	4	3	3	6	2	3	A	Moderate	29	31	33	35	37
				DKC36-48	86	1120	2150				3	3	3	3	2	3	3	4	4	4	-	3	3	A	High	26	28	30	32	34
				DKC36-86	86	1125	2150				3	3	3	2	3	2	4	4	4	4	-	5	4	A	Moderate	28	30	32	34	36
DKC39-54				DKC39-55	89	1200	2225				2	2	2/3	2	3	2	2	3	2	3	-	3/5	3	A	Moderate	28	30	33	35	38
GENSS/RIB	**SSPro/RIB**	**VT4P/RIB**	**TRE/RIB**	**VT2P/RIB**	**90-95RM**																				Planting Rate (PPA) x Yield Environment					
DKC40-64					90	1195	2260				3	2	2	2	3	2	2	2	2	5	5	2	3	A	Moderate	28	30	33	34	37
	DKC41-54			DKC41-55	91	1200	2295				3	3	3/2	2	3/2	3	3	2	1	4	5	2	4	A	Moderate	28	30	32	34	36
				DKC41-99	91	1230	2290				2	2	2	2	2	2	3	3	4	3	4	4	5	A	Moderate	28	30	32	34	36
DKC42-64				DKC42-65	92	1190	2315				3	2	2	2	3	2	3	2	4	4	5	4	3/4	A	Moderate	28	30	32	34	36
	DKC093-76			DKC093-77	93						2	2	3	2	3	3	2	2	3	4	5	2	3	A	Moderate	29	31	33	35	37
				DKC43-75	93	1215	2325				2	3	2	2	3	2	2	3	3	3	4	3	4	A	Moderate	28	30	32	34	36
				DKC44-80	94	1240	2330				2	2	4	3	3	4	2	3	4	4	5	4	5	A	High	24	26	28	30	32
DKC44-97				DKC44-98	94	1240	2350				3	3	2	2	3	2	2	2	2	4	5	3	4/5	A	Moderate	30	32	34	36	38
				DKC45-35	95	1260	2405				2	2	2	3	3	3	3	3	2	4	4	3	5	A	Moderate	28	30	32	34	36
		DKC095-57			95	1255	2400				3	3	3	3	2	3	2	2	2	5	5	3	5	A	High	28	30	32	34	36
DKC45-74					95	1260	2400				2	2	3	2	2	2	2	2	3	4	-	2	4	A	Mod-Low	28	30	32	34	36
GENSS/RIB	**SSPro/RIB**	**VT4P/RIB**	**TRE/RIB**	**VT2P/RIB**	**96-100 RM**																				Planting Rate (PPA) x Yield Environment					
			DKC096-21		96	1265	2400				2	3	3	3	2	3	2	3	3	3	6	2	4	A	Mod-High	30	32	34	36	38
DKC46-50					96	1260	2405				2	2	2	3	2	2	2	4	2	4	5	3	6	A	Mod-High	28	30	32	34	36
				DKC47-27DG	97	1253	2375				3	3	4	3	1	3	4	3	3	3	4	5	4	C	Moderate	26	28	30	32	34
DKC47-84				DKC47-85	97	1260	2415				3	3	2	3	1	2/3	2	2/3	4	3/4	5/6	3	4	A	High	28	30	32	34	36
DKC48-34					98	1275	2465				2	2	3	3	3	2	3	2	2	5	5	2	5	C	Moderate	28	29	30	33	35
				DKC48-69	98	1275	2465				3	3	2	2	2	2	2	2	2	4	4	3	4	A	Mod-High	26	28	30	32	34
		DKC098-88			98	1270	2465				2	2	2	3	2	3	2	3	3	4	5	2	4	A	Mod-High	26	28	30	32	34
				DKC48-95	98	1270	2450				2	2	2	3	3	3	2	3	3	4	5	3	4	A	Moderate	28	30	32	34	38
				DKC099-11	99	1275	2485				2	2	3	3	2	3	2	3	4	5	4	2	4	A	High	26	28	30	32	34
DKC49-24					99	1275	2495				2	2	3	3	4	2	3	3	3	4	5	2	5	A	High	27	30	33	35	37
DKC49-72					99	1266	2475				1	1	1	2	3	2	1	3	4	3	4	4	5	A	Moderate	30	32	34	36	38
DKC50-87				DKC50-88	100	1270	2510				2	2	2	2	2	3/2	2	4	2	4	4	3	4/5	A	High	28	30	32	34	36
GENSS/RIB	**SSPro/RIB**	**VT4P/RIB**	**TRE/RIB**	**VT2P/RIB**	**101-105 RM**																				Planting Rate (PPA) x Yield Environment					
				DKC51-25	101	1300	2530				3	4	3	3	3	2	2	4	2	4	4	5	4	A	High	26	28	32	34	34
	DKC101-33			DKC101-35	101	1285	2545				3	2	3	3	3	3/4	3	3	5	4	5/6	2/3	4/5	A	Mod-High	28	30	32	34	36
DKC51-91				DKC51-92	101	1275	2530				3	3	2	4	1	2	3	4	4	4	5	5	4	A	High	26	28	30	32	32
		DKC102-13			102	1285	2560				2	2	3	3	3	3	3	3	4	4	5	3	5	A	Mod-High	28	30	32	34	36
DKC52-18					102	1285	2540				3	4	3	2	3	3	3	3	3	4	5	3	4	A	High	26	28	30	32	34
			DKC102-28		102	1280	2560				2	3	3	2	2	3	3	2	3	4	5	2	5	A	Mod-High	30	32	34	36	38
			DKC52-99		102	1295	2575				3	4	3	3	2	2	2	4	5	5	5	5	4	A	High	29	31	32	33	34
			DKC103-07		103	1310	2575				3	4	2	3	3	3	2	3	2	4	4	2	4	A	High	28	30	32	34	36
DKC53-27					103	1305	2575				2	2	2	3	3	3	4	2	4	5	4	3	4	A	High	30	32	34	36	38
	DKC103-47				103	1310	2575				2	4	2	2	3	2	3	3	3	4	4	2	4	A	Mod-High	26	28	30	32	34
DKC54-38				DKC54-40	104	1300	2600				1	2	2	2	3	3	3	4	4	3	4	4	3	A	Moderate	27	30	34	36	38
DKC54-64				DKC54-65	104	1300	2600				4	2	5	3	4	2	3	3	3	4	5	3	3	C	High	28	30	31	33	34
	DKC105-33			DKC105-35	105	1305	2605				2	2	4	3	2	3	3	1	4/5	4	5	3/2	4	A	High	26	28	30	32	35

RED = 2024 New Products DG = Droughtgard Very Good Good Caution Avoid

All GENVT2PRIB are AVOID for Corn on Corn DG = Droughtgard

2024 WI Corn Characteristics South

PRODUCTS					RM	GDU - Flowering	GDU - Black Layer	Variable Soils	Highly Productive Soils	Corn on Corn	Emergence	Seedling Growth	Root Strength	Stalk Strength	Drought Tolerance	Greensnap Tolerance	Drydown	Staygreen	Test Weight	Northern Corn Leaf Blight	Gray Leaf Spot	Anthracnose Stalk Rot	Goss' Wilt	Growth Regulator Sensitivity	Overall Response to Fungicide	140 to 160 (bu/ac)	160 to 180 (bu/ac)	180 to 200 (bu/ac)	200 to 220 (bu/ac)	220 to 240 (bu/ac)
GENSSRIB	**SSPro/RIB**	**VT4P/RIB**	**TRE**	**VT2P/RIB**	**95-100 RM**																										
DKC47-84				DKC47-85	97	1260	2415				3	3	2	3	1	2/3	2	2/3	4	3/4	5/6	3	4	A	High	28	30	32	34	36
DKC48-34					98	1275	2465				2	2	3	3	3	2	3	2	2	5	5	2	5	C	Moderate	28	29	30	33	35
				DKC48-69	98	1275	2465				3	3	2	2	2	2	2	2	2	4	4	3	4	A	Mod-High	26	28	30	32	34
		DKC098-88			98	1270	2465				2	2	2	3	2	3	2	3	3	4	5	2	4	A	Mod-High	26	28	30	32	34
				DKC48-95	98	1270	2450				2	2	2	3	3	3	2	3	3	4	5	3	4	A	Moderate	28	30	32	34	38
				DKC099-11	99	1275	2485				2	2	3	3	2	3	2	3	4	5	4	2	4	A	High	26	28	30	32	34
DKC49-24					99	1275	2495				2	2	3	3	4	2	3	3	3	4	5	2	5	A	High	27	30	33	35	37
DKC49-72					99	1266	2475				1	1	1	2	3	2	1	3	4	3	4	4	5	A	Moderate	30	32	34	36	38
DKC50-87				DKC50-88	100	1270	2510				2	2	2	2	2	3/2	2	4	2	4	4	3	4/5	A	High	28	30	32	34	36
GENSS/RIB	**SSPro/RIB**	**VT4P/RIB**	**TRE/RIB**	**VT2P/RIB**	**101-105 RM**																					Planting Rate (PPA) x Yield Environment				
				DKC51-25	101	1300	2530				3	4	3	3	3	2	2	4	2	4	4	5	4	A	High	26	28	32	34	34
	DKC101-33			DKC101-35	101	1285	2545				3	2	3	3	3	3/4	3	3	5	4	5/6	2/3	4/5	A	Mod-High	28	30	32	34	36
DKC51-91				DKC51-92	101	1275	2530				3	3	2	4	1	2	3	4	4	4	5	5	4	A	High	26	28	30	32	32
		DKC102-13			102	1285	2560				2	2	3	3	3	3	3	3	4	4	5	3	5	A	Mod-High	28	30	32	34	36
DKC52-18					102	1285	2540				3	4	3	2	3	3	3	3	3	4	5	3	4	A	High	26	28	30	32	34
			DKC102-28		102	1280	2560				2	3	3	2	2	3	3	2	3	4	5	2	5	A	Mod-High	30	32	34	36	38
			DKC52-99		102	1295	2575				3	4	3	3	2	2	2	4	5	5	5	5	4	A	High	29	31	32	33	34
			DKC103-07		103	1310	2575				3	4	2	3	3	3	2	3	2	4	4	2	4	A	High	28	30	32	34	36
DKC53-27					103	1305	2575				2	2	2	3	3	3	4	2	4	5	4	3	4	A	High	30	32	34	36	38
	DKC103-47				103	1310	2575				2	4	2	2	3	2	3	3	3	4	4	2	4	A	Mod-High	26	28	30	32	34
DKC54-38				DKC54-40	104	1300	2600				1	2	2	2	3	3	3	4	4	3	4	4	3	A	Moderate	27	30	34	36	38
DKC54-64				DKC54-65	104	1300	2600				4	2	5	3	4	2	3	3	3	4	5	3	3	C	High	28	30	31	33	34
	DKC105-33			DKC105-35	105	1305	2605				2	2	4	3	2	3	3	1	4/5	4	5	3/2	4	A	High	26	28	30	32	35
GENSSRIB	**SSPro/RIB**	**VT4P/RIB**	**TRECEPTA**	**VT2P/RIB**	**106-110 RM**																										
			DKC56-15		106	1300	2650				2	2	4	3	3	3	3	4	3	4	3	3	A	Moderate	26	28	30	32	34
			DKC56-26		106	1315	2650				3	3	3	2	2	2	2	4	5	5	3	2	5	A	High	26	28	30	32	34
DKC56-65					106	1325	2650				2	2	2	2	4	3	2	2	4	3	5	3	4	A	High	30	32	34	36	38
	DKC107-33				107	1315	2695				2	3	2	3	3	2	3	4	4	4	4	3	4	A	High	27	28	30	33	35
				DKC57-45	107	1320	2695				3	2	3	1	4	2	2	3	5	4	3	3	4	A	Mod-High	29	31	32	34	36
	DKC108-64				108	1320	2710				2	2	2	2	2	2	2	5	4	4	4	2	4	A	High	30	32	33	35	37
DKC58-64					108	1320	2715				3	2	3	3	4	3	2	3	4	3	5	4	3	A	Moderate	29	31	33	35	37
DKC59-81				DKC59-82	109	1320	2725				2	3	3	3	3	2	2	3	4	4	5	5	3	A	Mod-High	29	31	33	35	37
DKC110-10					110	1330	2750				3	3	2	2	3	3	4	3	2	5	4	2	4	A	Mod-High	28	30	31	33	35
			DKC110-41		110	1335	2750				3	2	3	3	3	3	3	4	4	3	4	3	3	A	Mod-High	29	31	33	35	36
GENSSRIB	**SSPro/RIB**	**VT4P/RIB**	**TRECEPTA**	**VT2P/RIB**	**111-114 RM**																										
DKC111-33				DKC111-35	111	1335	2800				3	3	1/2	3	2	4	3	2	1	5	4	5	4	A	Moderate	30	32	33	34	36
DKC61-40				DKC61-41	111	1320	2775				2	2	4	3	2	3	3	5	6	3	5	4	3	C	Mod-High	28	30	32	34	36
DKC62-69				DKC62-70	112	1340	2825				3	3	2	2	2	3	5/4	2	2	5	5/4	3	4	A	High	28	30	31	33	34
			DKC62-89		112	1330	2815				3	2	3	3	3	2	4	3	3	3	5	4	4	A	Moderate	30	32	34	36	37
			DKC113-83		113	1330	2830				3	2	2	3	3	3	2	3	2	4	5	3	4	A	High	28	30	31	34	36
DKC63-90				DKC63-91	113	1325	2825				3	2	3	3	3	3	3	5	3	5	4	4	4	A	Mod-High	28	30	32	34	36
		DKC114-99			114	1380	2845				3	3	2	3	2	3	5	3	2	4	4	3	5	A	High	30	32	33	34	37
DKC115-33					115	1355	2880				3	3	1	3	3	3	2	3	3	4	4	5	3	A	Mod-High	28	30	32	34	36

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All GENVT2PRIB are AVOID for Corn on Corn DG = Droughtgard

2024 WI Silage Focus Products

PRODUCTS			RM	GDU - Flowering	GDU - Black Layer	Silage Proven	Locally Silage Proven	Planting Rate	NDFd 30hr	IVSD 7hr	%Starch	Milk per Ton	Silage Yield	Milk Per Acre	Plant Height
GENSS/RIB	**SSPro/RIB**	**VT2P/RIB**	**80-89RM**												
		DKC31-85	81	1080	2025		Y	Med-Low	4	4	3	4	3	3	Medium
		DKC32-35	82	1080	2060		Y	Medium	2	2	5	4	4	4	Medium
DKC35-34			85	1115	2145		Y	Med-High	5	6	5	3	4	4	Medium
		DKC36-48	86	1120	2150		Y	Med-Low	3	2	3	2	3	2	Med-Tall
DKC39-54		DKC39-55	89	1200	2225		Y	Medium	5	2	3	4	3	3	Medium
GENSS/RIB	**SSPro/RIB**	**VT2P/RIB**	**90-95RM**												
DKC40-64			90	1195	2260		Y	Medium	4	4	4	4	4	4	Medium
DKC093-05			93	1230	2325	Y	Y	Medium	2	2	3	2	1	1	Med-Tall
		DKC43-75	93	1215	2325		Y	Medium	2	3	2	2	3	3	Medium
		DKC44-80	94	1240	2330		Y	Med-Low	2	3	2	2	2	2	Med-Tall
DKC45-74			95	1260	2400		Y	Medium	4	3	3	4	2	3	Med-Tall
GENSS/RIB	**SSPro/RIB**	**VT2P/RIB**	**96-100 RM**												
DKC48-34			98	1275	2465		Y	Medium	3	4	4	5	4	5	Med-Tall
DKC098-55			98	1275	2465	Y		Med-Low	1	2	3	2	1	1	Med-Tall
		DKC51-25	101	1300	2530		Y	Med-Low	4	3	3	2	1	3	Medium
	DKC101-33	DKC101-35	101	1285	2545		Y	Med-High	3	3	3	2	2	2	Medium
DKC51-91		DKC51-92	101	1275	2530		Y	Med-Low	1	3	2	2	2	2	Medium
DKC52-18			102	1285	2540		Y	Medium	4	3	3	2	1	3	Medium
DKC53-94			103	1310	2575	Y		Med-High	1	2	2	2	2	1	Med-Tall
DKC54-38		DKC54-40	104	1300	2600		Y	Med-High	3	3	1	2	2	2	Medium
	DKC105-33	DKC105-35	105	1305	2605		Y	Med	3	3	2	2	2	2	Med-Tall
	DKC107-33		107	1315	2695		Y	Medium	2	3	2	3	3	3	Medium
DKC59-07			109	1320	2720	Y		High	1	2	2	2	2	1	Med-Tall
DKC61-80			110	1365	2795	Y		Med-Low	3	2	2	2	3	2	Tall
DKC64-44			114	1350	2840	Y		Medium	2	2	2	2	2	1	Medium

CP3724
(95RM)
VT2P

Double pro only that is high yielding, higher than 3980VT2 and 4188 in genetic supplier and our answer plot data in 2022. Top yields in 95 RM AP data in 2021 and 2022. Medium tall plant type with great western movement and Goss' tolerance. Average TW with ASR. Great top end yield with great late season intactness and agronomics -Test Against- 3980, 3735, 4188, 3852

CP3715
(97RM)
SSPro

97 day Smartstax Pro that is similar in yield to 4188SS and much drier. Great late season stalks and staygreen. Showed excellent stress tolerance in low N environments. Excellent roots. Semi flex ear type for many different populations. Medium-Tall plant type with good goss' wilt and good Physoderma and anthracnose stalk rot. Test against- 3735SS, 4188SS,

CP3852
(98RM)
TRE

98 day trecepta that adds genetic diversity at this maturity. #1 yielding thing at its maturity nationally at the 100 day in 2021 data and solid performance in 2022. Excellent late season intactness. Full ear flex that moves north exceptionally well. Test against- 3724, 3980, 3735, 4188.

CP4516
(105RM)
TRE

105 day trecepta product that did exceptional in our plots. Great top end yield potential. East to west movement with good late season plant health and intactness. Going forward this could be a staple in our lineup. Test against: 4444, 4757, 4676SS

CP4652
(106RM)
SSPro

106 day Smartstax Pro that brings brand new genetics not in a Croplan bag. Overall good agronomics and steady product. Excellent emergence. Higher yielding then 4676 by 10+ bushels. Medium tall plant with silage potential. Very good greensnap potential good goss wilt tolerance. Test against: 4676, 4880

CP5208
(111RM)
VT2P

East to west 111 day that did very well in our 2021 answer plot testing. Great agronomics and higher yielding then 5115 with better agronomics and roots than 5073VT2. Beautiful plant

2024 Corn Product Rating Chart

BRAND	Maturity	Data Proven Silage	RESPONSE SCORES			AGRONOMIC CHARACTERISTICS													GROWTH CHARACTERISTICS						
			RTP	RTN	RTF	Seedling Vigor	Stalk Quality	Root Strength	Staygreen	Drydown	Drought Tolerance	Test Weight	Gray Leaf Spot	NCLB	SCLB	Common Rust	Goss's Wilt	Anthracnose Stalk Rot	GDU to Maturity	Plant Height	Ear Height	Cob Color	Ear Flex	Flower Date	Kernel Rows
CP2180VT2P/RIB	81		M	M	M	2	2	2	3	2	3	3	N/A	2	N/A	N/A	3	3	2223	M	M	RED	SD	M-E	18-20
CP2288VT2P/RIB	82		M	H	M	2	2	1	2	2	2	1	N/A	2	N/A	N/A	2	3	1967	M	M	RED	SF	M	14-16
CP2315VT2P/RIB	83		M	M	M	2	3	2	3	2	2	3	3	3	N/A	2	3	4	2254	M-T	M	RED	SF	E	18-20
CP2585VT2P/RIB	85		M	H	M	2	2	3	3	2	3	3	3	3	N/A	N/A	3	3	2125	M	M	RED	SF	M	16-18
CP2845SS/RIB [VT2P/RIB]	89		H	H	H	1	1	1	3	2	1	3	N/A	3	N/A	3	4	4	2290	M-T	M	RED	SF	E	16-18
CP3166VT2P/RIB	91		H	M	M	2	3	3	3	2	2	3	3	3	N/A	N/A	3	3	2229	M	M	RED	SF	E	16-18
CP3490VT2P/RIB	94		M	M	M	1	3	3	3	3	2	3	3	3	3	N/A	3	3	2361	M-T	M-H	RED	SF	M-L	18-20
CP3575VT2P/RIB	95		H	H	M	2	2	2	2	2	3	1	3	2	N/A	N/A	3	1	2358	M	M	RED	SF	M-L	16-18
CP3715SSPRO/RIB*	97		M	M	M	2	2	2	2	2	2	3	4	2	2	2	2	2	2425	M-T	M-H	RED	SF	M-E	18-20
CP3724VT2P/RIB*	97		M	H	H	2	2	2	2	3	2	2	2	3	N/A	N/A	2	2	2435	M-T	M	RED	SF	M	16-18
CP3852TRE/RIB*	98		M	H	H	2	2	2	2	2	2	3	3	2	N/A	N/A	2	N/A	2450	M-T	M-H	RED	FL	L	16-18
CP3899VT2P/RIB	98		H	H	M	1	2	2	2	3	2	2	4	4	N/A	3	3	3	2400	M-T	M-H	PINK	SF	L	16-20
CP3980VT2P/RIB	99		M	L	M	2	3	1	3	2	3	3	2	N/A	N/A	N/A	3	3	2410	M-T	M-H	RED	SF	M	14-16
CP4099SS/RIB	100		H	H	M	1	2	1	3	3	2	3	4	4	N/A	3	3	3	2460	M-T	M	PINK	SF	L	16-20
CP4188SS/RIB [VT2P/RIB]	101		M	M	M	1	2	1	1	3	2	1	3	2	N/A	N/A	2	3	2350	M	M	RED	SF	M	16-18
CP4444VT2P/RIB	104		H	L	L	1	2	2	3	2	3	3	3	3	2	N/A	3	3	2449	T	M-H	Red	SF	M	14-16
CP4516TRE/RIB*	105		M	M	H	2	3	2	2	2	3	2	3	3	2	2	2	2	2650	M	M	RED	SF	M-E	16-18
CP4652SSPRO/RIB*	106		L	H	M	2	2	2	2	3	2	3	4	3	2	2	2	2	2625	M-T	H	RED	SF	M	14-16
CP4757VT2P/RIB	107		M	M	M	3	3	2	3	2	2	2	3	2	N/A	N/A	3	3	2675	M	M-H	RED	SD	M	18-20
CP4880SS/RIB	108		H	M	H	2	2	2	3	3	3	2	3	3	2	N/A	3	3	2700	M-S	M	RED	SD	M	14-16
CP5208VT2/RIB*	112		M	M	L	2	2	2	2	3	2	2	3	2	2	NA	2	2	2800	M	M	RED	SF	NA	16-18

KEY

Scale:	1 = Excellent	Response Scores:	H = High	Ear Flex:	FL = Flex
	5 = Not Recommended		M = Moderate		SF = Semi-flex
			L = Low		FX = Fixed
Ear Heght:	H = High				
	M = Medium	Plant Heght:	T = Tall		
	L = Low		M = Medium		
			S = Short		

NEW Hybrids

BREVANT™ seeds

B85R88 (85RM)
AM
- Widely adapted hybrid with reliable agronomics and disease package.
- Good stress emergence for reduce tillage systems.
- Reliable agronomic package including strong stalks and roots.

B91K05 (90RM)
AM & Qrome
- Highest yield potential in the 90 RM group with emergence and agronomics to match.
- Flexible ear doesn't need to push populations and responds very well to fertility and all management practices.

B96Y37 (96RM)
AM & Vorceed-Enlist
- Strong combination of yield and agronomics. New for 2024.
- Available as a Vorceed-Enlist trait package for corn-on-corn.

B98Z37 (98RM)
AM
- Good disease package for NCLB and GLS.
- Excellent stress emergence for early planting and no-till.
- Broad acre fit.

B99A24 (99RM)
AM & Qrome
- Tall plant stature with a full flex ear style that can perform across variable soils.
- Very good northern corn leaf blight and Goss`s Wilt tolerance.

B01Z88 (101 RM)
AM & Qrome
- Top yielding product with great early season agronomics and stalk strength for late season stress

B03H35 (103RM)
AM and Vorceed-Enlist
- Vorceed is a new fully-traited hybrid package for 2024.
- Emergence and season-long vigor is outstanding.

B04R11 (104 RM)
Qrome
- Top yield potential for maturity that fits well on lighter soils
- Outstanding stress emergence scores

B06Y18 (106 RM)
Qrome
- Broadly adapted to soils and tillage systems of southern Wisconsin
- Excellent agronomic package

B09Z08 (109 RM)
AM
- Broadly adapted for southern WI/Northern IL, with top end yield
- Spray fungicide for top yields

TOP HYBRIDS: SILAGE

B93U02SX (93RM)
- Good stress emergence for early planting in cool, wet soil conditions.
- Good choice for high productive and well managed acres.

B95U78SXE (95RM)
- Tall plant stature with a full canopy density.
- Excellent eye appeal.
- Strong tonnage potential and high neutral detergent fiber digestibility scores.

B01B36SXE (101RM)
- New BMR for 2024 that combines tonnage with excellent fiber digestibility for improved IOFC for the dairy.

B06U78SXE (106RM)
- Strong tonnage potential with solid agronomics.
- Excellent neutral detergent fiber digestibility and starch scores.

BREVANT™ seeds

Hybrid	Trait versions with same base.	Relative Maturity	Yield Environment and Recommended Populations: Low Yield 150 -180	Moderate Yield 180	High Yield 230+	Soil Type: Poorly Drained	Sandy	Clay	Agronomics: Stress Emergence	Stalks	Roots	Drought Tolerance	Test Weight	GLS	NCLB	Tar Spot*	Ratings denoted with an asterisk (*) reflect preliminary data subject to change when additional data becomes available.
B91K05	Qrome, AM FQ	91	MA 29-31K	S 30-33K	HS 31-33K	S	MA	S	S	MA	HS	MA	S	NA	HS	NA	Outstanding top end yield potential for top managed acres. Medium tall plant stature with excellent utility for highly managed grain or silage acres. Silage RM is earlier at around 89 day. Avoid pushing populations too high or into areas of marginal fertility as stalk quality can suffer for late harvested grain. Good NCLB tolerance.
B94Z97	Qrome	94	S 29-31K	S 32-34K	HS 34-36K	HS	S	S	S	S	S	S	S	S	S	HS*	Medium plant stature with good overall agronomics. Good plant health supported by strong tolerance to GLS, NCLB and Tar Spot. Exhibits ear flex to perform at lower plant densities. Avoid pushing populations in low yield or marginal fertility environments to support stalk integrity.
B96Y34	Vorceed-Enlist, AM	96	S 30-32K	HS 33-34K	HS 35-36K	HS	S	HS	S	S	HS	S	S	S	HS	HS*	Agronomic package that will support adaptability across a wide range of environments with excellent top end yield potential.Strong disease package includes Goss's wilt, northern corn leaf blight, and tar spot. Very good drought tolerace for lighter soil types.
B98Z37	AM	98	S 30-31K	HS 32-34K	HS 33-35K	HS	S	HS	HS	HS	HS	S	S	S	HS	MA	Top-notch agronomics will support moderate to high plant populations and very high yield potential. Very good stress emergence for early planting and no-till systems.Sound disease package with good tolerances to both northern corn leaf blight and gray leaf spot..
B99A24	Qrome, AM, Conventional FQ	99	HS 29-31K	HS 31-34K	HS 32-34K	S	HS	S	S	S	S	S	S	MA	HS	S	Yield leader that combines top end punch with good drought stress tolerance. Good tolerance to NCLB and Tar Spot, although can be weaker for GLS. This hybrid can get tall so keep populations moderate to compliment stalk strength and full ear flex, especially in late planted or growing environments that push height.
B01V22	AM	101	HS 29-31K	HS 31-33K	HS 32-34K	MA	HS	S	S	HS	S	HS	S	MA	S	HS*	Strong stalks and late season health makes this a good candidate for delayed harvest. An Optimum AQUAmax hybrid, which provides very strong drought tolerance. Maintain at moderate plant densities to support semi-flex ear type. For optimal early season performance, avoid planting into very cold, wet soils
B01Z88	Qrome, AM	101	MA 29-31K	HS 32-34K	HS 32-34K	S	HS	S	HS	S	S	S	S	S	MA	HS	A reliable performer especially where early stress emergence and Tar Spot tolerance are a priority. Best performance has been in moderate to high yield environments. Avoid pushing populations on lower yielding acres and position with a fungicide in areas of high NCLB pressure.
B03H35	Vorceed-Enlist, AM	102	S 30-32K	HS 32-34K	HS 32-34K	S	MA	HS	HS	S	S	S	HS	MA	S	S*	Excellent stress emergence ideal for an early planting option.Strong roots, stalks and green snap scores allow for wide placement. Full flex ear is suitable for moderate plant populations.A fungicide is recommended in areas with high risk to gray leaf spot and northern corn leaf blight.
B04R11	Qrome, Conv	104	HS 29-31K	HS 31-34K	HS 33-36K	HS	HS	HS	HS	S	S	HS	S	MA	S	S	A winning combination of yield and strong agronomics. Optimum AQUAmax hybrid with outstanding drought tolerance. Semi-flex ear supports wide range of plant populations. Watch GLS in high pressure areas and position with a fungicide as appropriate. Great fit for no-till or early planting. One of the showiest hybrids early.
B07H01	Qrome, AM	107	MA 30-31K	S 31-33K	HS 32-33K	S	MA	S	HS	S	S	S	HS	S	MA	S	Exciting yield potential in a compact, agronomically stable package. Exceptional stress emergence and roots for poorly drained or clay soils. Will respond to top fertility and foliar a fungicide especially in areas of high NCLB pressure. Full flex style ear on a medium plant. Should be considered a medium full to full season hybrid for southern WI so watch late planting and northern movement.
B09Z08	AM, Conventional FQ	109	S 31-33K	HS 33-34K	HS 35-36K	HS	S	HS	S	S	HS	S	HS	MA	S	S	Elite top end yield performance on an attractive medium statured hybrid. Has good test weight and tremendous kernel depth. Excellent candidate for top managed acres but still exhibits good stress tolerance. May need a fungicide for GLS. Can be slower out of the ground in high residue or cooler soils. Hybrid does flower early, but is still likely to act like a 110RM in WI due to extended grain fill.
B10H24	Qrome, AM	110	S 30-31K	S 31-33K	HS 32-34K	S	S	S	S	S	HS	S	HS	HS	MA	HS	Top Performance from Janesville and south, into Northern Illinois. Excellent fit for highly productive prairie soils. Outstanding grain quality. Good drought, Goss's wilt, and Green snap tolerance. Where NCLB is a concern, spray fungicide for added protection. Stay green is not as good as other products at this maturity, but late season standability is not a concern. Strong tar spot tolerance.
B11Y01	Qrome FQ	111	S 28-31K	HS 29-32K	HS 31-34K	HS	S	S	HS	HS	S	S	HS	S	S	S	Best on ground that has a yield goal of >180 bpa. Tall plant structure, with full ear flex. Ear will typically have a nose, yield comes from flexing for girth. Great fit in early planting and no-till due to strong emergence ratings. Good disease package, but fungicide application recommended in high-risk environments for GLS and NCLB.
B06F91	Qrome FQ	106	S 28-31K	S 30-34K	HS 33-34K	S	S	S	S	S	S	S	S	MA	HS	HS*	Strong history of excellent performance in Wisconsin. Offers outstanding flexibility to be harvested as grain or silage. Full ear flex, so don't overplant. 34k maximum population, even on best soils. Spray fungicide if GLS is a concern. Broad soil type fit.

HS	Highly Suitable
S	Suitable
MA	Manage Appropriately
SC	Strong Caution
NA	Rating Not Available

Unified™ and BMR Hybrids for the best in IOFC and milk performance

Hybrid	Trait versions with same base.	Relative Maturity	Low Yield 150 -180	Mod. Yield 180-230	High Yield 230+	Poorly Drained	Sandy	Clay	Stress Emergence	Stalks	Roots	Drought Tolerance	Fiber Digestibility	GLS	NCLB	Tar Spot*	
B93U02	SX	93	MA 28-31K	S 30-32K	HS 31-33K	S	MA	S	S	S	MA	S	HS	MA	MA	NA	Unified™ trait brings exceptional fiber digestibility with starch digestibility. Good stress emergence for the soils of northern Wisconsin. Moderate planting populations are recommended to complement the BMR traits. In areas of high risk to NCLB and GLS, a fungicide application is recommended.
B95U78	SXE	95	MA 28-31K	S 30-32K	HS 31-33K	S	S	S	S	S	S	MA	HS	NA	MA	S	Unified™ trait brings exceptional fiber digestibility with starch digestibility. Tall plant structure drives excellent tonnage for a brown mid rib corn. Fungicide is recommended for best quality silage. Medium populations recommended.
B97B73	SX	97	MA 28-31K	S 30-32K	HS 31-33K	S	S	S	S	S	S	SC	HS	NA	HS	S	BMR that combines strong tonnage with good starch scores. Semi-flex ear style with good roots and stalks for excellent standability across a variety of plant densities and soil types. Medium populations recommended.
B99B22	Q	99	MA 28-31K	S 30-32K	HS 31-33K	S	S	S	S	S	S	NA	HS	MA	MA	S	New BMR hybrid that brings tonnage through a full canopy on a medium statured plant. Excellent Starch content for a BMR. Fungicide application is recommended. Medium populations recommended.
B99B79	SX	99	MA 28-31K	S 30-32K	HS 31-33K	S	MA	S	S	S	S	S	HS	NA	MA	S	Well proven BMR that provides exceptional fiber digestibility. Winner of several World Forage Superbowls. Consistent performance on good fertility soils and fungicide applications improve quality. Attractive overall silage look. Medium populations recommended.
B01B36	SXE	101	MA 28-31K	S 30-32K	HS 31-33K	S	MA	S	S	S	MA	NA	HS	NA	MA	NA	New BMR hybrid that combines tonnage with high fiber digestibility. Plant at medium density to accommodate a taller plant and semi flex ear. Fungicide application is recommended. This new hybrid will get assigned disease scores after the 2023 season. Flowers late for 101 RM.
B06U78	SXE	106	MA 28-31K	S 30-32K	HS 31-33K	S	S	S	S	S	S	S	HS	MA	MA	S*	Unified™ trait brings exceptional fiber digestibility with starch digestibility. Tall plant structure drives excellent tonnage for a brown mid rib corn. Fungicide is recommended for best quality silage. Medium populations recommended.
B08B37	SXE	108	MA 28-31K	S 30-32K	HS 31-33K	S	S	HS	S	NA	S	NA	HS	MA	MA	NA	New BMR hybrid for 2024 that brings high fiber digestibility with higher starch scores. Medium structure plant. Disease scores will be updated following the 2023 growing season. Fungicide application is recommended. Flowers early, but matures as a 108 day RM Silage.
B14U78	SXE	114	MA	S	HS	S	S	S	S	S	HS	S	HS	HS	S	S*	Unified™ trait brings exceptional fiber digestibility with starch digestibility. Starch yields are not as high as other BMRs, but fiber digestibility is on the high end, even for a BMR. Fungicide is recommended for best

NK8232-AA (82RM)
- Tall, Dual-Purpose hybrid
- Semi-Flex Ear with Quick Dry down in fall
- Strong emergence in the cold soils

New NK8232-AA (82RM)
- Tall, Dual-Purpose hybrid
- Semi-Flex Ear with Quick Dry down in fall
- Strong emergence in the cold soils

NEW NK8558-AA (85RM)
- Good drought tolerance
- Place on medium to heavy ground
- Thick stalk/shorter statured/good standability

New NK9021-D (90RM)
- Corn on corn acre good for grain and silage
- Full Flex ear provides maximum yield on good areas of the field
- Will do better on fine textured soils over NK9175
- Wide, droopy Leaf hybrid

New NK9044-AA (90RM)
- Fixed ear hybrid, pushed pops
- Narrow upright leaf structure
- Place on rotated acres
- Improved yield over NK9175
- Rated good for drought

NK9231-AA (92RM)
- Lead hybrid in this maturity- high win rate in Answer plots 2022
- M/T hybrid with semi flex ear
- Racehorse yields with work horse capabilities
- Moves south well

New NK9771-DV (97RM)
- Duracade Root Worm Protection
- Above average on tar spot
- Place on better managed fields for top end yield
- Semi- Flex ear
- One allele away from artesian

NK9832-AA Artesian
- Medium height hybrid
- Tolerates heat and drought very well
- Excellent tar Spot defense
- High test weight
- WI made hybrid for variability

NK0007-AA
- Short Hybrid with Semi-Determinant ear type, very stable
- Narrow upright leaf structure
- Push pops to 34k
- Girthy ear with heavy TW
- Excellent Tar spot defense

NK9991-AA
- M/T hybrid with semi flex ear
- High quality silage or high yielding grain option
- Corn on corn placement – recommend insecticide due to narrow penetrating root
- Excellent tar spot defense

NK0295-AA
- Short hybrid with semi flex ear
- Excellent emergence and handled drought very well
- Excellent late season intactness, high test weight
- Excellent tar spot defense

NK1188-D (111RM)
- Any field, Any farm!
- Short Statured hybrid, stands well all season long
- Solid disease package, strong tar spot defense
- Semi- Flex ear, significantly long ear
- Excellent drought tolerance

TOP HYBRIDS: SILAGE

E094Z4-D (94 RM)
- High Quality silage AND high tonnage
- Performs on all soils, not just sand
- Better penetrating roots for finer soils
- Higher grain yield than E095D3 if not on sand by 2 tons

E100A3 (100RM)
- Silage, Snaplage, High moisture
- Defensive hybrid with high quality Metrics (NDFD)
- High Starch
- Semi-flex ear type and is true 100-day Relative maturity

E105Z5-D (105 RM)
- Dependable Drought Tolerance that performs in any soil type
- Fast emerger even in cold soils
- Will perform on sandy, droughty soils-
- Excellent partner to E107C1 for the droughty soils

E107C1-D (107RM)
- Proven Silage – Quality and Tonnage
- Excellent choice for continuous corn acres
- Stable performance with good heat stress tolerance
- Place on Medium to fine soil types saving the E105Z5 for the sandy soil

E112S5-D (111RM)
- Tallest Enogen Hybrid with excellent standability
- Very good stay green and late-season intactness
- Strong disease tolerance to
- Good ear flex that provides population flexibility

CORN | RETAIL CHARACTERISTICS REFERENCE CHART 2024

CHASSIS		MATURITY INFO					AGRONOMIC CHARACTERISTICS									PLANT/EAR CHARACTERISTICS									ADAPTATION TO SOIL TYPES/ YIELD ENVIRONMENTS							DISEASE TOLERANCE										FUNGICIDE
NK	Enogen	Relative Maturity	RM to Silk	GDUs to Silk	RM to Blacklayer	GDUs to Blacklayer	Emergence	Seedling Vigor	Root Strength	Stalk Strength	Green Snap	Staygreen	Drydown	Drought	Test Weight	Blunt Ear	Silk Color	Anther Color	Cob Color	Husk Cover	Root Type	Leaf Type	Plant Height	Ear Height	Ear Flex	Corn on Corn Response	Drought Prone	High pH	Highly Productive	Variable Soils	Poorly Drained	Nitrogen Response	Gray Leaf Spot	Northern Corn Leaf Blight	Goss's Wilt	Bacterial Leaf Streak	Southern Corn Leaf Blight	Eyespot	Anthracnose Stalk Rot	Tar Spot	Fusarium Crown Rot	Common Rust	Southern Rust	Late Response
NK8005	E080Q1	80	78	1150	77	1810	3	3	3	3	1	4	1	2	-	Y	Pi	R	M	M	U	5	4	SF	G	B	G	G	B	G	G	-	5	4	-	-	3	6	2	7	-	-	G
NEW NK8232		82	80	1160	82	2050	2	2	3	3	5	3	3	2	3	-	Pi	Pi	R	M	M	S-U	5	5	SD	G	B	G	G	B	B	-	4	4	4	4	-	-	4	-	4	-	-	-
NK8519		85	86	1220	85	2140	3	2	4	3	3	3	3	2	3	-	Pi	DR	R	M	P	S-U	3	4	SF	B	B	F	B	B	G	B	-	3	4	-	-	4	5	3	6	-	-	G
NEW NK8558	E085Z5	85	84	1200	85	2140	3	3	3	4	5	4	2	3	4	-	Pi	Pi	R	M	M	S-U	3	4	SD	F	G	G	B	G	G	-	4	4	4	3	-	-	3	-	5	-	-	-
NK8618	E086J9	86	84	1200	85	2140	3	3	3	2	4	3	4	1	2	1	R	Pi	R	M	M	S-U	3	5	SF	G	B	F	B	B	B	G	-	3	4	-	-	3	2	4	2	-	-	G
NK8760		87	85	1210	85	2140	2	2	3	4	2	4	4	2	3	-	R	DR	R	M	M	S-U	4	4	SF	G	B	G	B	B	G	-	-	3	4	2	-	-	4	2	4	-	-	G
NEW NK9044		89	90	1220	90	2290	2	2	4	3	4	3	2	3	3	-	Pi	Pi	R	M	M	S-U	4	4	SD	G	G	G	B	B	B	-	5	5	4	4	-	-	2	5	3	-	-	G
NEW NK9021		90	90	1220	91	2300	2	2	3	4	3	5	3	3	4	2	Pi	Pi	R	M	M	S-U	3	4	SF	G	G	G	B	G	G	-	4	3	4	5	-	-	4	5	5	-	-	G
NK9175	E092W5	91	91	1240	91	2300	2	2	5	4	3	4	3	1	3	6	Y/G	R	R	M	M	U	3	4	SD	F	B	F	B	B	G	-	-	3	4	-	-	3	4	5	5	-	-	G
NK9231		92	91	1240	91	2300	2	3	5	3	3	2	3	2	3	3	Pi	Pi	R	M	M	S-U	2	3	SF	B	B	G	G	B	F	-	3	4	6	3	-	-	4	4	5	-	-	F
NK9347		93	91	1240	92	2325	3	3	3	2	2	4	3	3	5	1	Pi	Y/G	R	S	M	P	4	5	SF	G	G	F	B	B	B	-	3	4	4	3	-	-	2	4	3	-	-	F
NEW E094Z4		94	95	1260	95	2390	2	2	2	3	4	4	3	4	4	-	Pi	Pi	R	M	M	S-U	3	4	SF	G	G	G	B	B	G	-	4	4	4	2	-	-	4	6	5	-	-	-
NK9535	E095D3	95	95	1280	95	2400	3	3	3	2	5	2	3	2	2	1	R	R	R	M	F	S-U	3	4	F	G	B	G	B	B	B	G	4	5	3	4	-	2	3	4	3	4	-	G
NEW NK9771		97	97	1290	97	2410	3	2	3	3	3	3	3	2	2	3	Pi	R	R	M	M	U	3	3	SF	G	G	B	B	G	G	-	3	3	3	5	-	-	3	4	3	-	-	G
NEW NK9832		98	98	1290	98	2420	2	2	3	4	3	4	3	1	3	3	Pi	Pi	R	M	M	S-U	4	4	SF	G	G	G	B	B	G	-	4	3	5	5	-	-	5	3	5	-	-	G
NK9991		99	98	1300	100	2445	3	2	2	3	4	2	3	3	3	3	Y/G	R	R	M	M	S-U	3	3	SF	G	G	G	B	G	B	-	2	2	5	5	-	3	3	4	4	-	-	F
NK0007		100	99	1295	100	2440	2	2	2	3	2	2	3	1	3	6	Pi	R	R	M	M	P	5	5	SD	B	G	G	B	B	B	-	3	3	6	4	-	-	3	4	3	-	-	G
E100A3		100	100	1320	100	2445	3	2	3	3	4	2	3	2	4	-	Y/G	R	R	M	P	S-U	4	4	SF	B	B	G	B	B	G	-	3	3	4	3	-	-	3	4	4	-	-	G
NK0243		102	101	1305	102	2475	3	3	3	2	2	1	3	2	5	-	Pi	R	R	M	M	U	5	5	F	G	B	F	B	B	B	G	3	4	3	5	-	3	-	4	2	-	-	F
NEW NK0295		102	100	1310	102	2445	3	2	3	3	4	2	4	3	3	3	Pi	Pi	Pi	M	M	U	4	4	SF	G	G	G	B	G	G	-	4	3	4	4	-	-	4	3	3	-	-	G
NK0314		103	102	1315	101	2475	3	3	3	4	2	3	5	4	2	-	Y	Pi	R	M	M	S-U	4	3	SF	G	G	G	G	G	G	-	5	3	4	4	4	-	6	4	3	-	-	B
NK0330		103	105	1355	102	2475	4	4	4	4	4	5	3	3	4	5	Y/G	Pi	R	M	M	S-U	3	3	SF	F	B	F	B	B	F	G	4	3	4	5	3	3	4	3	4	3	4	B
NEW NK0367		103	100	1310	103	2465	3	3	3	3	2	3	2	2	3	5	Pi	R	Pi	M	M	U	4	5	SF	G	G	F	G	G	G	-	3	4	3	5	-	-	5	3	4	-	-	G
NK0440		104	106	1385	106	2570	4	3	5	3	3	4	3	3	5	-	Pi	Y	Pi	M	M	S-U	2	2	SF	G	G	P	B	B	G	B	4	4	3	4	4	2	2	4	4	-	-	G
NK0472		104	103	1335	100	2445	2	2	2	2	2	3	4	4	2	-	Y	Pi	R	M	M	U	3	4	SD	G	G	G	B	G	B	B	4	5	3	3	5	3	-	3	2	-	3	B
E105T1		105	105	1355	105	2550	2	2	5	2	4	2	3	2	4	2	Y/G	R	Pi	M	M	U	2	3	SF	G	B	G	B	B	B	B	4	5	3	4	4	4	2	3	2	3	-	G
NEW E105Z5		105	105	1355	106	2560	3	3	5	3	2	3	3	3	5	-	Y/G	Y	Pi	M	M	S-U	1	4	SF	G	G	F	F	G	F	-	3	5	3	3	-	-	2	5	3	-	-	-
NK0696		106	107	1360	107	2550	2	2	2	3	5	3	3	3	4	-	Y/G	Pi	R	M	M	S-U	5	4	SD	G	F	G	G	B	B	F	3	3	4	3	-	-	6	5	5	-	2	B
NK0748		107	105	1370	108	2550	3	3	3	3	4	3	4	2	4	-	Y/G	Y	Pi	L	M	S-U	3	4	SF	G	G	G	B	G	G	-	3	3	5	3	5	-	3	5	5	-	3	G
NK0760		107	107	1375	109	2570	3	3	3	2	3	4	3	2	4	-	Pi	Pi	Pi	M	M	S-U	5	5	SF	G	B	P	B	B	G	G	3	2	4	5	5	3	-	3	3	5	6	F
NEW NK0798		107	106	1380	108	2550	3	3	3	3	1	7	4	3	5	-	Y/G	Pi	R	L	M	S-U	4	4	SD	B	F	F	G	G	F	-	4	3	4	4	-	-	4	4	5	-	-	F
E107C1		107	110	1400	105	2500	3	4	2	3	5	3	4	3	3	-	Pi	Y	Pi	M	M	S-U	1	4	SF	G	G	P	F	G	G	-	3	4	5	5	3	-	5	3	5	-	4	F

DROUGHT
Artesian water-optimized hybrid.

RATING SCALE
1 = Best, Tallest or Highest
9 = Worst, Shortest or Lowest
- = Not Available

COLORS
DR = Dark Red
R = Red
Pi = Pink
W = White
Y = Yellow
Y/G = Yellow-Green

HUSK COVER
L = Long
M = Medium
S = Short

ROOT TYPE
F = Fibrous
M = Modified
P = Penetrating

LEAF TYPE
P = Pendulum
S-U = Semi-Upright
U = Upright

EAR FLEX
D = Determinate
SD = Semi-Determinate
SF = Semi-Flex
F = Flex

ADAPTATION TO ENVIRONMENTS
B = Best
G = Good
F = Fair
P = Poor

= Field Forged Series

Duracade Viptera | Duracade | Agrisure Total | Viptera | Agrisure Above

Ratings are based on interpretation of statistically analyzed results of studies conducted by Syngenta and may change as additional data are gathered.

LIBERTY LINK® Seed products with the LibertyLink® (LL) trait are resistant to the herbicide glufosinate ammonium, an alternative to glyphosate in corn and soybeans, and combine high-yielding genetics with the powerful, non-selective, postemergent weed control of Liberty® herbicide for optimum yield and excellent weed control.

SLC 15308A 06-2023

AG11XF2
- Good standability with good Whitemold score
- Great option for the AG11x8 acre

AG11XF4
- Medium tall to tall plant
- Good Standability
- Standard PRR Tol – Rps1c
- Average WM Tolerance
- Very Good BSR

AG14XF4
- Medium tall plant
- Good Standability (3)
- Resistance to SCN (R3)
- PRR Field Tol (TBD) – Rps1c
- Good WM Tolerance (4)
- Average SDS (5)
- Very Good BSR (3)

AG18XF1
- Solid, go anywhere style
- Average WM Scores
- Strong BSR
- Medium Bushy Canopy with good standability

AG19XF3
- Excellent Yield potential
- Good Standability with Medium Bushy Canopy
- Average WM
- Above Average PRR Field Tolerance – Rps1c

AG20XF1
- Medium tall plant with strong agronomics
- Very good standability
- Excellent tolerance to BSR
- Excellent emergence
- Great no-till option

AG21XF0
- Medium tall plant
- Above average PRR Tol with Rps1c
- Above average BSR and SDS tolerage

AG21XF2
- Medium tall plant with good
- Above average WM, BSR and SDS
- Avoid placement on PRR prone fields
- Very strong emergence
- Good No-Till option

AG23XF3
- Strong emergence paired with high yield potential
- Average plant height with good standability
- Good tolerance to SDS and BSR
- Strong emergence with good No-Till fit

AG24XF1
- Medium tall plant that stands well
- Leading XF yielder
- Excellent emergence
- Good mix of Disease Protection

AG24XF4
- Medium tall plant with good standability
- Above average tolerance to WM and SDS
- Good yield potential
- Will make a great pair with AG24XF1

AG26XF1
- Medium tall plant that stands well
- Very good tolerance to BSR
- Above average WM tolerance
- Use caution with placing on PRR Prone fields

AG27XF3
- VERY high yield potential
- Medium Tall – Tall Plant with below average standability
- Excellent Emergence
- Will want to manage populations on fields with high fertility

ASGROW®	RM	Poorly Drained Soils	Well-drained Highly Productive	Droughty/Light Soils	Narrow Row Planting	No-Till Adaptability	Emergence	Standability	SCN Resistance	PPR Gene K, C, or A	Phytophtora Field Tolerance	White Mold	Brown Stem Rot	Sudden Death Syndrome
.07-1.0														
AG10XF4	1.0					1	2	3	R3	Rps1c	4	4	3	5
1.1-1.5														
AG11XF4	1.1					2	2	3	R3	Rps1c	5	5	3	-
AG15XF2	1.5					2	2	3	R3	Rps1c	5	5	3	6
1.6-2.0														
AG18XF1	1.8					3	2	3	R3	Susc	6	5	3	5
AG19XF3	1.9					1	2	3	R3	Rps1c	4	5	2	3
AG20XF4	2.0					1	2	3	R3	Rps1c	4	5	3	5
2.0-2.5														
AG21XF0	2.1					1	2	4	R3	Rps1c	4	4	3	3
AG21XF2	2.1					2	2	3	R3	Rps3a	7	4	4	4
AG23XF3	2.3					1	2	3	R3	Rps1c	5	4	2	4
AG24XF1	2.4					1	1	2	R3	Rps1c	5	4	3	4
AG24XF4	2.4					2	2	3	R3	Rps1c	5	4	-	4
AG25XF3	2.5					1	2	2	R3	Rps1c	4	5	3	5
2.6-2.9														
AG26XF1	2.6					2	2	3	R3	Rps1c	6	4	2	6
AG27XF1	2.7					1	2	3	R3	Rps1c	4	4	3	5
AG27XF3	2.7					1	1	4	R3	Rps1c	5	5	-	6
AG28XF3	2.8					1	2	4	R3	Rps1c	4	5	-	5

	Highly Rec		Recommended in most situations		Use with appropriate management		Not generally recommended

A16E34
- Very Good Standability (2)
- Very good WM Tolerance (3)
- Average PRR Field Tol (5) – Rps1k
- SCN Tolerance
- Average SDS (5)
- Broad acre fit – Proven Performance

A17E33
- Medium Height
- Good Standability (3)
- Resistance to SCN (R3) – PI88788
- Susc to PRR - Field Tol (5)
- Good WM Tolerance (4)
- Good SDS (4)
- Very Good BSR (3)

A21E34
- Good Standability in MT Plant
- Good PRR Rps1c/3a
- Good WM Tolerance (4)
- Very Good BSR (3)
- SCN Resistance

A23E33
- Medium Height
- Good Standability
- Good PRR Field Tol (4)- Rps1c/3a
- SCN Resistance (R3) – PI88788
- Average WM Tolerance (5)
- Below Average BSR (6)

A26E33
- Medium Height
- Good Standability
- Good PRR Tol (4) – Rps1k
- Average WM Tolerance (5)
- Very Good BSR (3)

A27E33
- Medium Plant Height
- Good Standability
- Good PRR Field Tol (4) – Rps1c
- SCN Resistance (R3) – PI 88788
- Average WM Tolerance (5)
- Good BSR Tolerance (3)

CP1430E
Enlist E3 WinPak
- Improved yield & agronomics over last years' 1420E
- Excellent Brown Stem Rot & Phytophthora scores with strong standability.

CP1720E
Enlist E3
- Versatility and stability will allow this WinPak to be planted on almost all acres
- High yield potential combined with strong agronomics
- Acceptable SWM and IDC tolerance

CP1721E
Enlist E3
- Versatile Enlist E3® variety with solid agronomics
- Consistent performance from east to west
- Strong PRR, SWM, and IDC tolerance
- Not recommended on BSR-prone fields

CP2030E
Enlist E3
- Works well on SWM and PRR prone fields
- Strong standability, emergence, SWM and PRR
- Acceptable IDC and SDS tolerance

CP2122E
Enlist E3
- Standalone Enlist variety with top end yield potential with strong agronomics to complement.
- Strong Phytophthora, White Mold, and Brown Stem Rot ratings.

CP2520E
Enlist E3 WinPak
- Upgraded Winpak with high yield potential
- Offensive bean, place on better managed soils.

Croplan 2024 Soybean Variety Ratings

Variety	Trait	WinPak®	Relative Maturity	SCN Resistance	PRR Gene	PRR Tolerance	SDS Tolerance	SWM Tolerance	BSR Tolerance	Iron Chlorosis	Southern Stem Canker	Stress Tolerance	Root-Knot Nematode	Emergence	Stand-ability	Canopy Type	Plant Height	Flower Color	Pubescence Type	Pod Color	Hilum Color
CP1121E	Enlist E3	No	1.1	PI88.788	NG	2	2	3	NG	2	1	1	NA	1	3	Int	MT	P	GR	BR	IB
CP1430E	Enlist E3	Yes	1.4	PI88.788	Rps3a/NG	2	2	3	1	3	NA	2	5	1	2	Int	MT	P	GR/LTW	TN	BF/BL
CP1522E	Enlist E3	Component	1.5	PI88.788	Rps3a	1	2	3	1	3	NA	2	5	1	2	Int	M	P	GR	TN	BF
CP1620E	Enlist E3	Yes	1.6	Peking	Rps1k/1k,6	3	2	3	2	2	1/NA	1/NA	1/NA	2	2	Int/Bush	MT	P	GR/LTW	TN	BF/BR
CP1720E	Enlist E3	Yes	1.7	PI88.788	Rps1k,3a	2	3	3	3/NG	3	NA	2	5/NA	1	2	Int	MT	P	GR	BR/TN	IB/BF
CP1721E	Enlist E3	Component	1.7	PI88.788	Rps1k	2	3	2	NG	2	NA	2	NA	1	1	Int	M	P	GR	BR	IB
CP1930E	Enlist E3	Yes	1.9	Peking	Rps1k	2	3	3	4	3	1	1/NA	5/NA	2	1	Int	M	P	GR	BR/TN	BF/IB
CP2030E	Enlist E3	Yes	2.0	PI88.788	Rps1k/1c	2	3	2	2/NG	3	1	1/NA	1/NA	2	2	Int	MT	P	GR/LTW	BR	BL/IB
CP2122E	Enlist E3	Component	2.1	PI88.788	Rps1c	2	3	2	2	3	1	NA	NA	2	2	Int	M	P	GR	BR	IB
CP2220E	Enlist E3	Yes	2.2	PI88.788	Rps1c/NG	3	3	2	2	2	NA	NA	NA	2	2	Int	MT	P/W	GR	BR/TN	BF/IB
CP2322E	Enlist E3	No	2.3	PI88.788	Rps1c	2	1	2	2	3	1	NA	NA	2	2	Int	M	P	GR	BR	IB
CP2520E	Enlist E3	Yes	2.5	Peking/PI88.788	Rps1a/1k	3	3	3	2/NG	3	1/NA	2/NA	5	3	3	Bush	MT	P	GR/LTW	BR/TN	BF/BL

Upgraded New Variety

1 = Excellent
2 = Strong
3 = Acceptable
4 = Manage
5 = Not Recommend

NK14-W6E3
Enlist E3
- Performs in varying soil types
- Great option for poorly drained soils where PRR can be an issue
- Peking source of SCN resistance
- Rps 1 c, Rps3a for phytophthora protection
- Parent is a 1.7 maturity Peking line with consistently high yield

NK11-A4E3
Enlist E3
- 3bu better than S10-E3. Yields on all soil types, can be little short statured on sand
- PROVEN NK14-W6 E3
- High yielding Peking bean that handles northern soils well. Proven performance- 2 seasons

NK16-Z6E3
Enlist E3
- Improved yield, shatter, better leaf drop than NK14-W6. Will move south well. Peking bean

NK19-T8E3
Enlist E3
- Lead soybean- Excellent yield win rate 2022 with strong WM defense – go anywhere

NK21-C2E3
Enlist E3
- 2+ bu. Better than NK22-C4 with slightly bigger plant and better WM

NK24-A2E3
Enlist E3
- High yield, place on fields with light WM, moderate stature plant

NK26-M6E3
Enlist E3
- High yield, with excellent standability, better WM than NK24-A2 E3

NK28-B9E3
Enlist E3
- Bean that handles stress well, manage WM

PRODUCT			AGRONOMIC CHARACTERISTICS							PLANT / SEED CHARACTERISTICS								ADAPTATION TO ENVIRONMENTS				INSECT RESISTANCE / DISEASE TOLERANCE											HERBICIDE RESPONSE	
NK	Trait Stack	Relative Maturity (RM)	Emergence	Standability	Branching	Green Stem	Shatter Tolerance	Chloride Sensitivity	Narrow Row	Wide Row	Plant Height	Canopy Type	Growth Habit	Flower Color	Pubescence Color	Pod Color	Hilum Color	Seed Size	Drought Prone	Highly Productive	Variable	Poorly Drained	Phytophthora Gene Resistance	Phytophthora Field Tolerance	Soybean Cyst Nematode (SCN) Source	Soybean Cyst Nematode (SCN) Rating	Southern Stem Canker (SSC)	Brown Stem Rot (BSR)	Charcoal Rot (CHR)	Soybean White Mold (SWM)	Pod and Stem Blight (PSB)	Sudden Death Syndrome (SDS)	Frogeye Leaf Spot (FELS)	Sulfentrazone	Metribuzin
NEW NK11-A4E3	E3	1.1	2	2	M	2	1	INC	1	2	MS	M	IND	WH	GR	TN	B	L	G	B	B	B	Rps1k, Rps3a	2	PI88788	MR3, MR14	1	3	-	4	-	4	2	-	-
NK14-W6E3	E3	1.4	2	3	M	1	4	EXC	1	2	M	M	IND	PUR	GR	TN	B	L	G	B	G	G	Rps1c, Rps3a	4	Peking	MR1, R3, MR5	1	3	-	5	6	5	5	B	G
NEW NK15-G9E3S	E3/STS	1.5	3	2	M	2	3	INC	1	2	MS	M	IND	PUR	GR	BR	IMB	L	B	G	G	B	Rps1k	3	Peking	MR1, R3	1	3	-	4	5	2	4	-	-
NEW NK16-Z6E3	E3	1.6	1	3	M	2	3	INC	2	1	M	MB	IND	PUR	GR	TN	IMB	L	B	G	G	G	Rps1c, Rps3a	2	Peking	R1, MR3, MR5	1	3	-	4	4	3	4	-	-
NK17-M2XF	XF	1.7	3	2	M	3	2	INC	1	2	MT	M	IND	PUR	LTW	BR	B	L	G	B	B	G	Rps1c	4	PI88788	MR3	1	2	-	3	4	3	5	F	F
NEW NK18-D1XF	XF	1.8	2	2	M	2	2	INC	1	2	MS	M	IND	PUR	LTW	TN	B	L	G	G	G	B	Rps1k, Rps3a	3	PI88788	MR3	1	3	-	3	-	2	2	-	-
NK18-J7E3	E3	1.8	3	3	M	2	1	INC	1	1	MT	M	IND	PUR	GR	BR	IMB	M	B	G	B	G	Rps1c	3	PI88788	R3	1	3	5	3	6	4	4	B	F
NK19-T8E3S	E3/STS	1.9	3	3	P	2	1	INC	2	1	M	M	IND	PUR	GR	BR	IMB	L	B	B	B	B	Rps1k	3	Peking	MR1, MR3, MR5	1	3	-	4	5	4	4	-	-
NEW NK20-K2XF	XF	2.0	3	3	M	4	2	INC	3	1	MT	M	IND	WH	LTW	BR	B	L	B	B	B	B	Rps1c	3	PI88788	MR3	1	3	-	3	4	2	4	-	-
NEW NK21-C2E3	E3	2.1	3	2	M	3	2	INC	1	1	M	M	IND	PUR	GR	BR	IMB	L	G	B	B	B	Rps1c	2	PI88788	MR3	1	3	4	3	2	2	4	B	G
NK21-H4XF	XF	2.1	3	4	M	3	2	INC	3	1	M	M	IND	WH	LTW	BR	B	L	B	G	G	B	Rps1c	2	PI88788	MR3	1	5	4	3	6	3	4	G	P
NK22-C4E3	E3	2.2	3	2	M	2	3	INC	2	1	M	M	IND	PUR	GR	BR	IMB	M	G	B	B	G	Rps1c	3	PI88788	R3	1	3	5	3	4	3	3	G	P
NK24-A2E3S	E3/STS	2.4	3	3	M	2	3	-	1	1	MT	M	IND	PUR	GR	BR	B	L	B	B	B	B	Rps1a	3	PI88788	R3, MR14	-	-	-	4	2	4	4	-	-
NK25-C9XF	XF	2.5	2	3	M	3	2	INC	2	1	MT	MB	IND	WH	LTW	BR	B	L	B	G	G	B	Rps1c	2	PI88788	R3, MR14	1	4	3	3	3	2	5	6	G
NEW NK26-M6E3	E3	2.6	3	2	M	2	2	INC	1	1	M	M	IND	WH	GR	TN	B	S	B	G	B	B	Rps1c	3	PI88788	MR3	-	5	-	4	-	3	4	-	-
S26-E3	E3	2.6	2	2	M	2	2	INC	1	2	M	M	IND	PUR	GR	TN	B	S	F	B	G	G	Rps1k	4	Peking	CMH/P	-	4	3	4	-	3	4	F	B
NEW NK28-B9E3S	E3/STS	2.8	2	4	M	2	2	INC	3	1	M	MB	IND	PUR	GR	BR	IMB	L	G	G	B	B	Rps1c	3	PI88788	MR3	-	3	-	4	-	3	5	-	-
NK29-Z4E3	E3	2.9	2	2	M	3	3	INC	1	1	M	MB	IND	WH	GR	TN	B	S	G	G	G	B	Rps1k, Rps3a	4	PI88788	R3	1	3	4	4	-	3	3	F	G
NK30-B2E3	E3	3.0	2	2	M	2	2	EXC	1	1	MS	MB	IND	PUR	GR	TN	I	L	G	B	G	G	Rps1c, Rps3a	3	PI88788	MR3, MR14	1	3	3	6	-	3	2	-	-
NK31-M7E3	E3	3.1	2	3	M	3	3	INC	2	1	M	MB	IND	WH	GR	TN	B	M	G	G	G	G	Rps1k, Rps3a	4	PI88788	R3	1	3	4	5	-	3	-	G	G

HERBICIDE TOLERANT TRAITS
E3 = Enlist E3®
XF = XtendFlex®
RR2X = Roundup Ready 2 Xtend®
STS = Sulfonylurea Tolerant Solutions®
= Field Forged Series

BRANCHING
P = Prolific
M = Moderate
L = Light

CHLORIDE SENSITIVITY
EXC = Excluder

PLANT HEIGHT
T = Tall
MT = Medium-Tall
M = Medium
MS = Medium-Short
S = Short

DISEASE/PEST RATINGS
1 = Best
9 = Worst
- = Not Available

CANOPY TYPE
B = Bush
MB = Medium-Bush
M = Medium
MT = Medium-Thin
T = Thin

GROWTH HABIT
DET = Determinate
IND =

COLOR ABBREVIATIONS
BF = Buff
BL = Black
BR = Brown
GR = Gray
IMB = Imperfect Black
IMY = Imperfect Yellow
LTW = Light Tawny
PUR = Purple
TN = Tan
TW = Tawny

SEED SIZE
L = Large
M = Medium
S = Small

ADAPTATION AND RESPONSES
B = Best
G = Good
F = Fair
P = Poor

RESISTANCE RATING SYSTEM
Indicates when a variety is resistant to a specific disease or pest. For Soybean Cyst Nematode (SCN) resistance, the nematode races the variety is resistant against are specified, when available. For Phytophthora, the gene conveying the resistance

PHYTOPHTHORA GENE RESISTANCE
The following genes confer resistance to the listed races of Phytophthora:
Rps1a = Resistant to races 1, 2, 11, 13-18, 26, 27, 31, 32, 36, 48, 50-52, 54, 55
Rps1c = Resistant to races 1-3, 6-9, 11, 13, 15, 17, 21, 23, 24, 26, 28-30, 32, 34, 36, 41, 42, 44, 48, 50, 52, 54,
Rps1k = Resistant to races 1-9, 11, 13-15, 17, 18, 21-24, 26, 36, 37, 42-44, 46-55
Rps3a = Resistant to races 1-5, 8, 9, 11, 13, 14, 16, 18, 23, 25, 27-29, 31-35, 40, 41, 43-45, 47-52, 54
S = Susceptible (no gene-specific tolerance)

SOYBEAN CYST NEMATODE (SCN)
R = Resistant
MR = Moderately Resistant
S = Susceptible
1, 3, 5 and/or 14 = SCN race(s) for which resistance is conferred

BREVANT™ seeds

B152EE (1.5 RM)
Enlist E3
- Strong tolerance to Sudden Death Syndrome.
- Very good white mold tolerance to support narrow row production in high risk areas.

B202EE (2.0 RM)
Enlist E3
- Next Generation E3™ variety. Peking SCN resistance with yield. Good emergence for early planting, and strong harvest standability.

B213EE (2.1RM)
Enlist E3
- NEW Next Generation E3™ variety that balances high yield with a sound defensive package.

B243EE (2.4RM)
Enlist E3
- NEW Next Generation E3™ variety. Peking SCN resistance with strong yield, combined with excellent disease package including above average white mold tolerance.

Use our SMART Precision Technology to make smart decisions for your fields.

In our agronomy division, we have a program that allows our producers to access all of their field data from the comfort of their own home. This program is called SMART. It stands for Soil Management and Rate Technology.

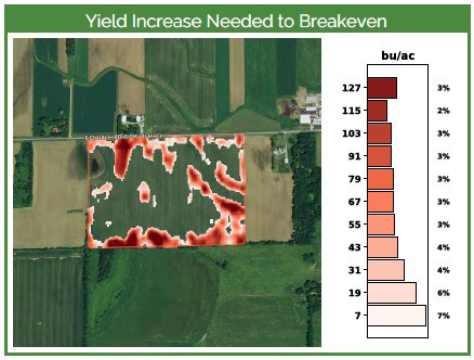
Our SMART program has five key benefits for the customer who sign up for it:

- 24/7 online access to agronomic information,
- Mobile access through the explorer app,
- Variable rate seed,
- Lime and fertility recommendations, and
- On-site technical training and access to our AgSolver profitability tool.

For the producer that wants to make management decisions from the data collected on their farms, our SMART program is the best way to accomplish that goal.

We use the AgSolver program with our growers to look at how a field's profitability and ROI can change as you go from one end to the other. It allows our agronomy team to look at how ROI can change across the landscape. These changes can be caused by many factors such as soil type, drainage, pH, fertility, slope, elevation, aspect, soil bulk density, and soil health.

We are used to looking at yield and fertility maps. Now the challenge is to look at how a field produces, what its true profitability and ROI are for each acre, and how can we use this knowledge to better manage our bottom line. There are many types of reports we can generate within the AgSolver platform. The best part is they can be 100% customized with your own information.



If an area of a field is below break-even, we need to decide if we can raise production or lower expenses. On our field report card, there is a category titled "Acreage Opportunity Ratio". This refers to the percentage of acres in the field that are currently below break-even. The next item listed on our report card is the "Working Capital Opportunity". This number is reported in dollars and shows the potential dollar savings if the acreage opportunity ration is moved down to zero. In most fields we can never get this number to zero, but could we lower it? Possibly cut it down by half?

On our "Cash Rent" report, there are a couple of very key parameters to focus on: the break-even commodity price, the break-even yield and ROI. There is an estimated profit per acre listed as well for each of these scenarios. At the bottom of the Cash Rent report is a break-even cash rent spreadsheet. This spreadsheet helps the grower to better understand what level of rent is appropriate for the current commodity price and average yield for each scenario.

Breakeven Cash Rent ($/ac) w/ 5% Farmer Return

	Yield (bu/ac)						
Commodity Price ($/bu)	170	189	208	227	245	264	283
4.56	284.12	365.93	447.75	529.56	611.37	693.19	775.00
4.26	235.03	311.39	387.75	464.11	540.47	616.83	693.19
3.95	185.94	256.85	327.75	398.66	469.56	540.47	611.37
3.65	136.86	202.31	267.76	333.21	398.66	464.11	529.56
3.35	87.77	147.77	207.76	267.76	327.75	387.75	447.75
3.04	38.68	93.22	147.77	202.31	256.85	311.39	365.93
2.74	-10.41	38.68	87.77	136.86	185.94	235.03	284.12

Please visit with your local United Cooperative agronomist today so you can start using this tool to better understand and evaluate your field's profitability and ROI. It is informative when you compare three different scenarios and only change one variable; such as changing the commodity price by $0.30 on each scenario and then see how the numbers change. This could be useful when setting up targets with your grain merchandiser.

Our SMART Program has three choices available.

1. View only - Mobile & Web. The grower has their own unique login & password to view all their data online or through the iOS app on an iPad.
2. Ag Solver only. The grower will receive customized reports on a field level showing profitability, ROI, production efficiency, acreage opportunity ratio, working capital opportunity, breakeven commodity price and breakeven cash rent values. All of this information is created using the grower's own information.
3. Full SMART program.
   - 24 / 7 access to their information online and or through the iOS app
   - All Variable Rate prescriptions; VR Lime, VR Crop Nutrients, and VR Seed
   - Ag Solver profit plans. Through our full program the grower can interact live with their profit plans adjusting various inputs and income levels to learn more about their field's profitability.
   - On-site technical support and training. Our commitment to service does not end when you sign your contract. We will provide the necessary training to you and your farms staff to ensure you have a positive experience with our program.

Want to learn more?
View our SMART Soil Sampling video by scaning the QR code with your phone or contact your agronomist.

HVX MegaTron AA
HarvXtra
Fall Dormancy: 4.2
Winterhardiness: 1.7

- Superior wet-soil disease resistance for excellent seedling emergence and plant health
- High resistance to aphanomyces root races 1, 2/3; multirace anthracnose resistance

LegenDairy AA
Fall Dormancy: 3.2
Winterhardiness: 1.2

- Great winterhardiness and stand persistence for producers in Northern growing regions
- Excellent yield and high digestibility (XHD) with leaf retention and stem quality; ideally suited for 3- to 4-cut baled hay or haylage harvest styem

Rebound AA
Fall Dormancy: 4.4
Winterhardiness: 1.7

- Packs a punch with the latest disease resistance package
- High yield potential with early spring growth and very rapid regrowth after each cutting
- Excellent stand persistence and winterhardiness

RR AphaTron AA
RR2
Fall Dormancy: 4.4
Winterhardiness: 1.4

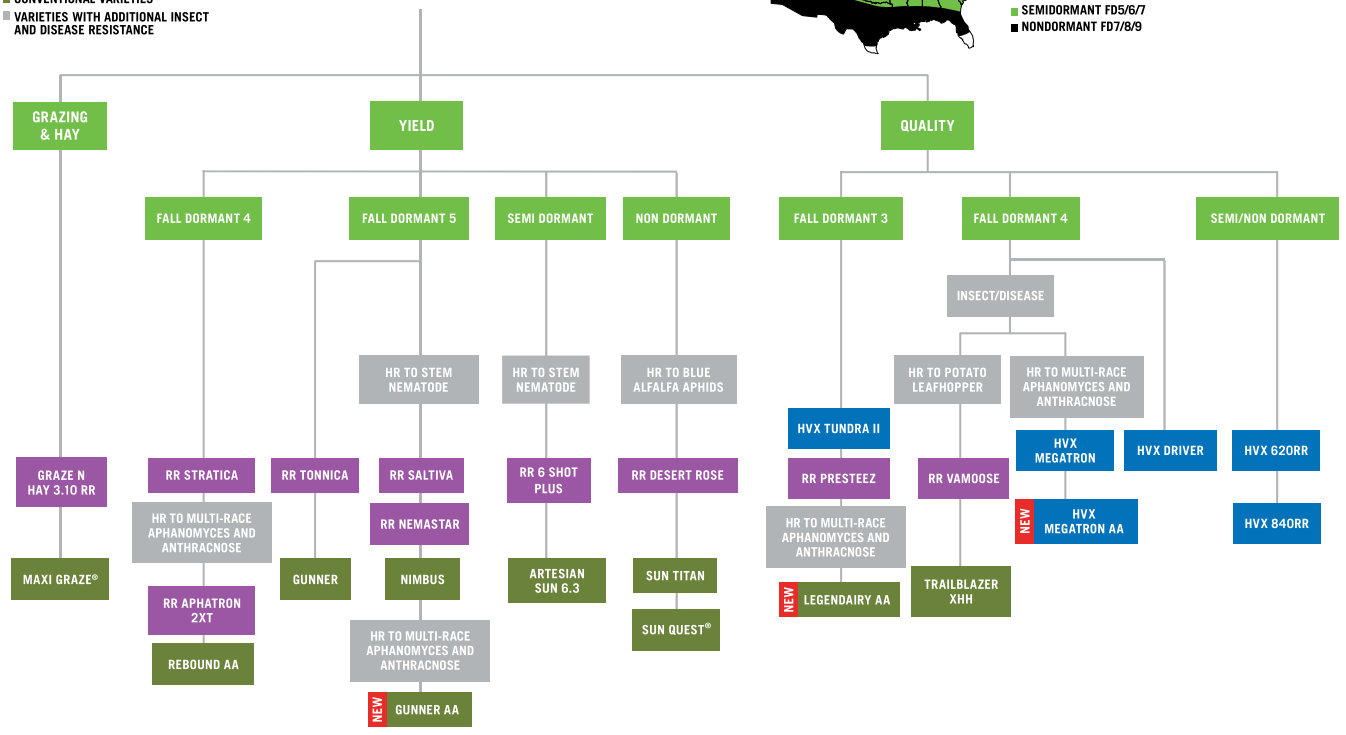
- Management is similar to conventional Rebound line with the added benefit of the Roundup Ready® trait
- Excellent disease package; high resistance to aphanomyces root races 1, 2/3

ALFALFA

ALFALFA VARIETY PLACEMENT[1]

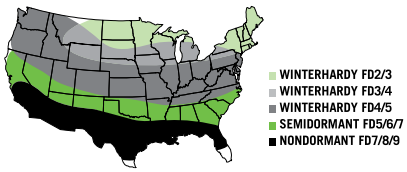
The map can be used to determine which alfalfa varieties are recommended for your area's climate challenges. Also, use the chart below to place the recommended variety to help manage common diseases and pests in your area, and to match quality to your desired cutting frequency.

- HARVXTRA® ALFALFA VARIETIES
- ROUNDUP READY® VARIETIES
- CONVENTIONAL VARIETIES
- VARIETIES WITH ADDITIONAL INSECT AND DISEASE RESISTANCE



PRODUCT DORMANCY MAP[2]

Fall dormancy and winterhardiness are important considerations in alfalfa seed selection. This map shows CROPLAN® seed varieties that match fall dormancy and winterhardiness zones in various regions of the United States.



1. This chart is provided as an illustration only. Planting decisions are complex and any implementation of the placement described above is your decision. Because of factors outside of our control, such as weather and product application, results to be obtained, including but not limited to yields, cannot be predicted or guaranteed by WinField United.

2. Fall dormancy (FD) and winterhardiness (WH): Higher FD number = higher yield potential; lower WH number = more cold tolerant and stand persistent.

ALFALFA YIELD REPORT 2022

West Salem, WI Planted 2021

Product	Brand	FD	2022 Yield DM T/ AC	Total Cuts	**Total Yield DM T/ AC	*Total Yield % Check	Average NDFD	Average NDF	Average CP	Average RFQ	RFQ % Check	Milk % Check
LegenDairy AA	Croplan	3	5.79	4	5.79	114%	44.00	39.16	20.43	154	104%	116%
Rebound AA	Croplan	4	5.77	4	5.77	113%	42.05	42.08	19.47	137	93%	107%
GUNNER AA	Croplan	5	5.73	4	5.73	113%	44.85	39.25	20.82	156	105%	116%
RR AphaTron AA	Croplan	4	5.63	4	5.63	111%	45.20	41.27	20.62	145	98%	111%
54VR10	Pioneer	4	5.49	4	5.49	108%	41.75	41.76	20.67	137	92%	101%
HVX MegaTron AA	Croplan	4	5.43	4	5.43	107%	48.25	39.33	21.22	162	110%	118%
Rebound 6XT	Croplan	4	5.42	4	5.42	107%	44.25	40.31	21.06	150	101%	108%
Gunner	Croplan	5	5.30	4	5.30	104%	43.65	40.98	19.51	145	98%	104%
HVX MEGATRON	Croplan	4	5.19	4	5.19	102%	46.65	38.67	20.62	163	111%	111%
55VR08	Pioneer	5	5.15	4	5.15	101%	41.90	41.26	20.22	140	95%	97%
54Q29	Pioneer	4	5.14	4	5.14	101%	43.35	42.37	19.73	138	94%	97%
SW4107	S&W	4	5.03	4	5.03	99%	44.20	40.07	21.66	150	102%	101%
L-451APH2+	Legacy	5	5.00	4	5.00	98%	45.40	38.67	20.92	161	109%	105%
AFX 579	Alforex	5	4.99	4	4.99	98%	44.00	41.23	21.27	145	98%	98%
LegenDairy XHD	Croplan	3	4.96	4	4.96	97%	44.95	39.22	22.40	157	107%	102%
54HVX41	Pioneer	4	4.95	4	4.95	97%	47.15	38.45	21.48	163	111%	105%
RR AphaTron 2XT	Croplan	4	4.92	4	4.92	97%	43.85	41.28	21.79	144	98%	95%
Hi-Gest 360	Alforex	3	4.78	4	4.78	94%	45.05	37.40	21.10	167	113%	102%
HybriForce-4400	Alforex	4	4.70	4	4.70	92%	45.00	39.86	22.76	154	104%	96%

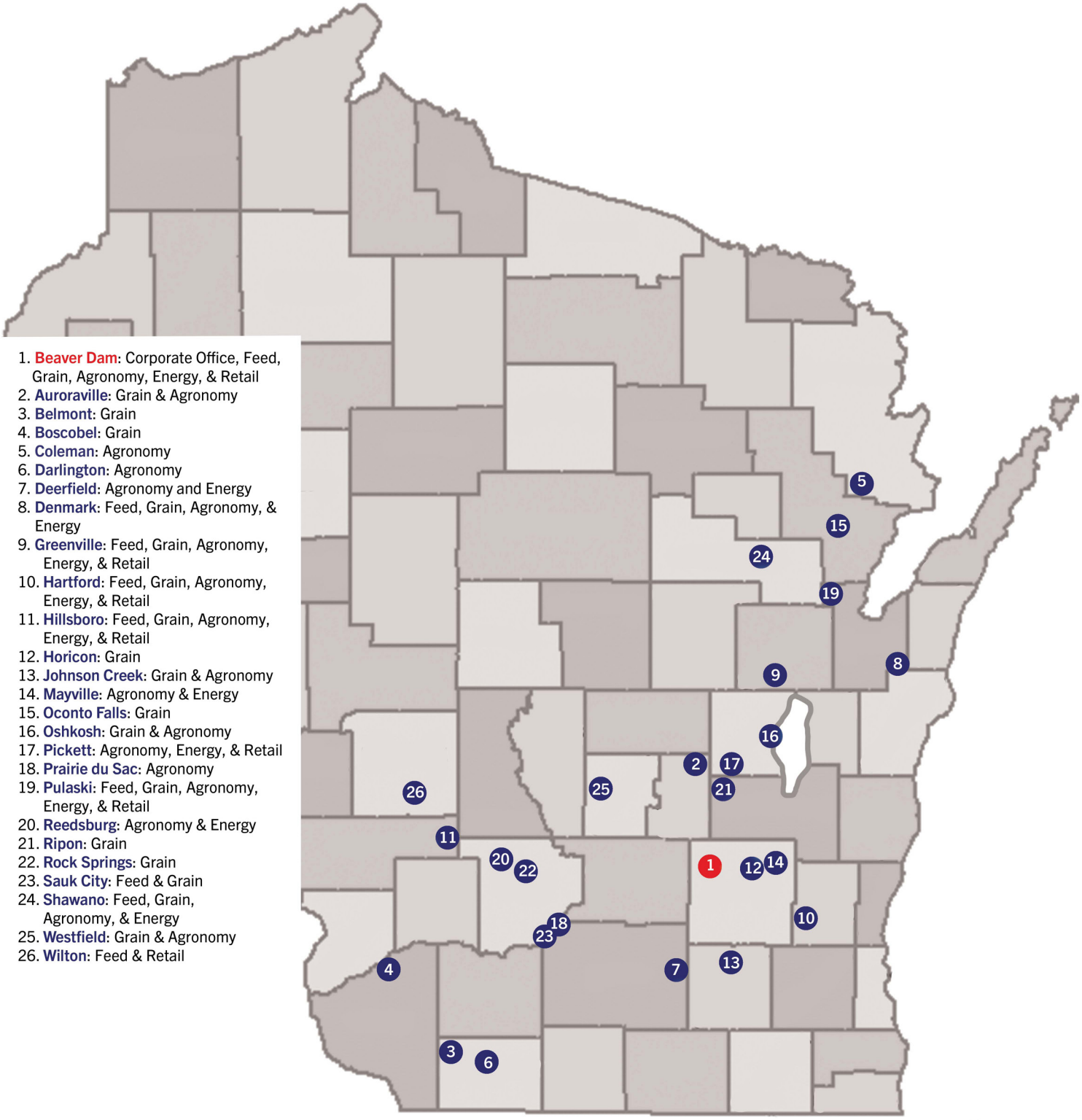
West Salem, WI Planted 2021

Name	Brand	FD	2022 Yield DM T/AC	Total Cuts	**Total Yield DM T/AC	*Total Yield % Check	Average NDFD	Average NDF	Average CP	Average RFQ	RFQ % Check	Milk % Check
Rebound AA	Croplan	4	6.11	4	6.11	126%	43.03	39.17	20.30	151	101%	123%
LegenDairy AA	Croplan	3	5.39	4	5.39	111%	44.33	39.54	20.82	152	101%	112%
54Q29	Pioneer	4	5.05	4	5.05	104%	42.00	42.74	19.12	132	88%	96%
AFX 579	Alforex	5	4.91	4	4.91	102%	43.93	39.44	20.80	153	102%	104%
L-451APH2+	Legacy	5	4.56	4	4.56	94%	43.13	41.61	19.87	139	92%	89%
HybriForce-4400	Alforex	4	4.14	4	4.14	86%	44.33	38.88	21.03	156	104%	87%

*Check varieties. Check mean is the mean (average) of the commercial check varieties included in this trials. % Check mean = 100%. If a variety's yield value is over 100%, it is performing 'above average'. If below 100%, the variety is performing 'below average'.

**Sorted by Multi-Year Total Yield+Forage Yield Total reported as dry matter tons per acre. Product descriptions and/or performance are dependent upon many factors beyond the control of Winfield United including without limitation, reduced performance, and/or crop damage due to environmental factors such as variations in rainfall, temperature, crop production paterns and other factors. Source: Data compiled from Forage Genetics International in 2017-2021 at locations listed. Growers should evaluate data from multiple locations and years whenever possible.

LegenDairy AA HybriForce 4400 Rebound AA SW 4107 Gunner AA Hi-Gest 360



1. **Beaver Dam**: Corporate Office, Feed, Grain, Agronomy, Energy, & Retail
2. **Auroraville**: Grain & Agronomy
3. **Belmont**: Grain
4. **Boscobel**: Grain
5. **Coleman**: Agronomy
6. **Darlington**: Agronomy
7. **Deerfield**: Agronomy and Energy
8. **Denmark**: Feed, Grain, Agronomy, & Energy
9. **Greenville**: Feed, Grain, Agronomy, Energy, & Retail
10. **Hartford**: Feed, Grain, Agronomy, Energy, & Retail
11. **Hillsboro**: Feed, Grain, Agronomy, Energy, & Retail
12. **Horicon**: Grain
13. **Johnson Creek**: Grain & Agronomy
14. **Mayville**: Agronomy & Energy
15. **Oconto Falls**: Grain
16. **Oshkosh**: Grain & Agronomy
17. **Pickett**: Agronomy, Energy, & Retail
18. **Prairie du Sac**: Agronomy
19. **Pulaski**: Feed, Grain, Agronomy, Energy, & Retail
20. **Reedsburg**: Agronomy & Energy
21. **Ripon**: Grain
22. **Rock Springs**: Grain
23. **Sauk City**: Feed & Grain
24. **Shawano**: Feed, Grain, Agronomy, & Energy
25. **Westfield**: Grain & Agronomy
26. **Wilton**: Feed & Retail

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