

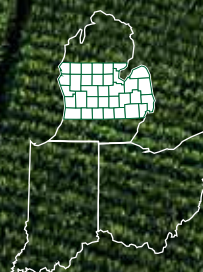


2022 GRAIN & FORAGE

Serving
farmers
since
1946

75

Years



Mid Michigan

Selecting the seed you plant is your first opportunity to ensure your success each growing season.

And choosing the seed rep you trust to help you make variety selections and placement decisions is the key.

By choosing a Rupp dealer and sales rep, you've taken the step that will ultimately produce your best results.

You will reap rewards from the performance of our products each season, as we are rapidly releasing new varieties that are specifically selected for their leading performance in your region.

Our partnerships with all the leading corn and soybean breeders mean that the performance of the product portfolio you're selecting from is continuing to improve and even outpace our competitors.

And our relationships with all the leading trait technology innovators mean that you are in a unique position of selecting from a full range of choices for managing weeds and insects.

Ultimately, by choosing a Rupp rep and the Rupp brand, you are also choosing ...

- to have the healthiest seedling stand on your farm,
- the broadest range of weed management options available on your farm,
- true genetic diversity which minimizes risks on your farm,
- and essentially, the best yield potential from your farm.

We invite you to **Plant Rupp** and **See What Good Yields®**.



Philip Rupp
President

CONTACTS

John Richards

DISTRICT SALES MANAGER

Southern Michigan

517.243.9488

866.596.SEED

johnr@ruppseeds.com



Tim Schaub

DISTRICT SALES MANAGER

Mid-Michigan

989.620.0831

866.502.SEED

tims@ruppseeds.com



Rupp Seeds

CORPORATE OFFICE

17919 County Road B

Wauseon, OH 43567

877.591.SEED

requests@ruppseeds.com



You can quickly add your DSMs contact information into your mobile phone by scanning the QR code with your smart phone.

CORN HYBRIDS

Hybrid				RM				PLANT CHARACTERISTICS															SOIL PRODUCTIVITY					MANAGEMENT CLASSES				
																												Disease Rating				
								GDU to Black Layer	Population	Stalk Strength	Root Strength	Drydown	Test Weight	Ear Type	Kernel Rows	Early Vigor	Staygreen	Plant Height	Ear Height	High	Medium	Low	Poorly Drained	Drought Prone	Output Traits	Fungicide Response	Nitrogen Application Timing*	Anthracnose Stalk Rot	Gray Leaf Spot	Northern Corn Leaf Blight		
XR D84-35	84	VIP 3120EZ	• Widely adapted across mid-Michigan • Outstanding stalk and root strength for harvest flexibility • Good dual purpose utility					1910	28-32	8	9	8	7	SF	16-18	9	8	MT	M	9	8	8	8	9	Dual Purpose	7	2	6	7	7		
XR D91-54 XR A91-04	91	VIP3220A CNV	• Agrisure Artesian with high Top End yield • Outstanding emergence and seedling vigor • Handles all populations really well					2240	24-34	9	8	7	8	SF	18	9	7	MT	M	9	9	9	9	9	Dual Purpose	8	2	7	7	8		
XR J94-09	94	SSX	• Great Agronomics • Best positioned on well drained soils • Semi-Flex ear allows for a wide range of planting densities					2380	28-36	7	8	8	8	SF	16-18	7	7	M	M	9	8	8	7	7	Grain	9	3	8	7	7		
XR D94-26 XR G94-86 XR A94-16	94	VT2P RR CNV	• Compact Plant Style with very High Yield Potential • Proven across ALL yield environments and management practices • Excellent drought and stress tolerance					2350	28-38	9	9	9	8	SF	16-18	8	8	MS	ML	9	9	9	9	9	Dual Purpose	9	2	8	7	8		
XR D96-13	96	VIP 3220	• Superior high yield with Eastern Corn Belt agronomics • Highly recommended for genetic diversity in a portfolio • Excellent ear flex, outstanding grain quality					2355	24-38	8	8	7	8	F	16-18	9	8	MT	M	9	9	9	9	9	Dual Purpose	7	3	9	7	7		
XR D97-95 XR A97-55 XR N97-55	97	VT2P CNV ORG	• Works in both high yield environments and on the tough acre • A fantastically strong agronomic package • Late season standability is aided by ASR (Anthracnose Stalk Resistance)					2360	30-38	8	9	8	8	SF	16-18	9	8	M	M	9	9	9	9	9	Grain	9	2	9	6	7		
XR J98-52	98	SSX	• Strong response to fungicide and management • Flared husks, excellent test weight and drydown • Our strongest product in this R.M.					2335	32-36	8	7	8	9	SF	16-18	8	7	T	MH	7	8	8	8	8	Dual Purpose	9	3	9	7	6		
XR D98-43	98	TRE	• Exceptional yield performance in research trials • Large girthy ear with deep kernels • Widely adapted, moves north well					2330	30-36	8	9	9	7	SD	16-18	8	8	MT	MH	9	9	9	9	9	Grain	9	2	8	7	7		
XR D99-08	99	VT2P	• Dominant Yield Punch • Tremendously Girthy Ear • Great companion for XR D01-90					2360	30-34	8	8	7	8	F	18-20	8	7	M	M	9	9	8	9	8	Dual Purpose	9	3	9	7	7		
XR A00-60	100	CNV	• Responds to high management in high yield environments • Semi Flex ear suggests the ability to perform well on all soil types • Plant stature suggests dual purpose utility					2410	30-36	8	7	8	8	SF	16-18	8	7	T	MH	9	9	8	8	7	Dual Purpose	9	2	9	7	6		
XR D01-90 XR J01-50	101	VT2P SSX	• Attractive open flared husks aid in rapid drydown • Very healthy hybrid, able to handle the region's corn diseases • Very good seedling vigor and early plant growth					2450	32-38	8	8	8	8	SD	14-16	8	8	M	M	9	9	9	9	9	Grain	8	2	7	8	8		
XR J02-35	102	DC5222	• Good plant integrity into the fall harvest season • "No worries" kind of corn					2410	26-38	9	9	8	9	SF	18-20	8	9	T	MH	9	9	9	9	9	Dual Purpose	7	3	8	6	7		
XR D03-07 XR A03-67 XR N03-67	103	VT2P CNV ORG	• Long ears with good kernel depth • Best used on highly productive and intermediate soils • Very agronomically sound hybrid					2420	30-36	8	9	7	8	SD	14-16	9	8	MT	M	9	9	7	7	7	Grain	9	3	6	6	7		
XR D05-16	105	VT2P	• Excels on high productivity acres • Very good emergence and seedling vigor • Handles stress well					2600	30-34	8	7	9	7	SD	18-20	8	7	M	M	9	9	7	7	9	Grain	9	2	9	7	8		
XR D06-53	106	VT2P	• Broadly adapted product with strong yield potential • Very nice grain quality and test weight • Strong fall appearance					2560	30-36	8	8	7	8	SD	14-16	8	8	M	M	9	9	8	8	7	Dual Purpose	9	3	8	8	8		

Rating Key
1 – 9 with 9 being Excellent

*Nitrogen Application Timing
2 = Early – Sidedress 3 = Late – Y Drops

CORN

ADDITIONAL HYBRIDS

ORGANIC

XR N90-07 90 RM

CONVENTIONAL

XR A90-15 90 RM
 XR A06-06 106 RM
 XR A07-32 107 RM
 XR A08-78 108 RM
 XR A10-56 110 RM
 XR A13-65 113 RM

GT

XR G08-09 108 RM

RR

XR G00-81 100 RM

VT2P

XR D00-51 100 RM
 XR D04-31 104 RM
 XR D07-72 107 RM
 XR D09-42 109 RM
 XR D10-59 110 RM
 XR D10-16 110 RM
 XR D12-49 112 RM
 XR D13-15 113 RM
 XR D16-90 116 RM

SSX

XR J05-75 105 RM
 XR J07-42 107 RM
 XR J10-26 110 RM

DC5222

XR J08-88 108 RM



THE COMPLETE SEED TREATMENT PACKAGE

Give your crop a boost
 with early season protection
 that delivers yield benefits
 up to 13.7 bu./a on corn.

Liftoff is available in multiple
 stages to protect your crop.



CNV
 Conventional

DURACADE 5222
 **AgrisureDuracade**
5222 E-Z Refuge

GT
 **AgrisureGT**

RR


SSX


TRE


VT2P


VIP 3120


VIP 3220


VIP 3220A


SILAGE HYBRIDS

NUTRITIONAL VALUES

Each year we screen our hybrid lineup looking for those with the best silage characteristics available. We designate only those hybrids with superior yield and nutritional qualities as most suitable to produce top quality silage for your operation.

**Ton up with Rupp and
See What Good Yields.**



HYBRID	RM	Wet Tons /Acre @ 65%	Crude Protein	ADF	NDF	NDFd 30	NDFD 240	Starch	Milk lbs/ton	Milk/ Acre
XR D91-65	91	21.9	9.43%	19.14%	33.96%	57.52%	70.86%	40.35%	3685	27,133
XR D94-26	94	20.7	8.63%	20.63%	37.05%	60.86%	73.93%	38.05%	3674	25,784
XR D96-13	96	24.2	8.88%	18.01%	31.58%	56.78%	70.59%	42.51%	3760	30,752
XR J98-52	98	24.1	9.39%	19.29%	35.32%	61.36%	73.52%	37.80%	3722	27,414
XR D99-08	99	23.8	7.10%	24.10%	40.10%	56.50%	70.20%	35.00%	3373	28,073
XR A00-60	100	24.4	8.12%	19.14%	34.73%	58.57%	71.64%	40.49%	3737	31,986
XR D06-53	106	24.3	8.92%	19.30%	35.74%	50.27%	64.75%	39.63%	3560	29,002
XR D07-72	107	21.9	7.91%	17.29%	30.70%	64.60%	80.47%	43.24%	3686	29,090
XR G08-09	108	24.4	9.04%	18.64%	34.68%	53.74%	72.16%	39.51%	3679	33,841
XR A12-93	112	26.4	6.05%	25.97%	42.04%	53.75%	72.46%	33.45%	3572	37,221
XR D13-15	113	26.2	8.82%	18.48%	33.48%	54.80%	68.95%	41.77%	3646	34,653



"Being that Rupp Seeds is a regional company they have products that fit our particular region all while having the same modern technologies that the national/global companies have. They have also been a great partner to do business with over the years."

— Floyd Koerner
Laingsburg, Michigan

"Our reps working knowledge of Rupp's product and matching it up to the specific needs for our soil types and agronomic practices in our operation have provided tremendous support to us. We have seen our most consistent and highest corn and soybean yields on the farm since using Rupp Seeds. We have just been very satisfied with all our dealings with Rupp. They are a top shelf company, and we look forward to working with them year after year."

— Aaron Mills
Alma, Michigan



"Rupp products have shown consistent performance over the past 5 years on my operation coupled with great value compared to higher priced national brands. Also, the services provided by my local dealer, Ray Simpkins, adds to that value beyond the bag of seed."

— John Packard
Morenci, Michigan

SOYBEAN VARIETIES

			Plant and Seed Characteristics								Soil Productivity						Disease Ratings							
Hybrid	RM		Technology	Emergence	Standability	Plant Height	Pubescence	Pod Color	Hilum	Stress Tolerance	Canopy Style	High	Medium	Low	Poorly Drained	Irrigated	No-Till Ready	Phytophthora Race Resistance	Phytophthora Tolerance	Cyst Nematode Resistance	Sclerotinia White Mold	Brown Stem Rot	Sudden Death Syndrome	Frogeye Leaf Spot
RS 18FX30	1.8	<ul style="list-style-type: none">Tall and RobustManage for PRR pressure	FX	8	7	T	Lt. Tawny	Brown	Black	7	Medium Bush	7	9	9	7	6	7	No Gene	6	R3, MR14	7	7	6	N/A
RS 20FX10	2.0	<ul style="list-style-type: none">Excellent White Mold score in 2019Standability is a highlightIndustry best in early Group II RM	FX	8	8	MT	Gray	Tan	Gray	7	Medium Bush	8	8	8	8	9	8	Rps1c	7	R3, MR14	7	9	N/A	N/A
RS 24FX70	2.4	<ul style="list-style-type: none">Great plant style, good for all soil typesStrong defensive packageHigh Yield levels	FX	8	8	MT	Gray	Tan	Gray	8	Medium Bush	8	9	9	9	8	9	Rps1c	7	R3, MR14	7	R	8	N/A
RS 28FX25	2.8	<ul style="list-style-type: none">Showy agronomicsSuper yields compared to best Xtend lines	FX	9	8	MT	Gray	Tan	Buff	8	Medium Bush	9	9	8	8	8	9	Rps1k	7	R3, MR14	N/A	8	N/A	N/A
RS 31FX44	3.1	<ul style="list-style-type: none">Great emergenceTaller plant typeGreat choice for challenged soils	FX	8	8	T	Gray	Brown	Imperfect Black	8	Medium Bush	8	8	9	9	7	8	Rps1c, Rps3a	7	R3, MR14	N/A	R	8	N/A
RS 18EL11	1.8	<ul style="list-style-type: none">Packs on the podsUniform look, stable performanceStep change in yield performance in late Group I	E3	9	8	MT	Gray	Brown	Imperfect Black	8	Medium Bush	9	9	9	8	9	9	No Gene	8	R3, MR14	8	R	8	N/A
RS 21EL57	2.1	<ul style="list-style-type: none">Unique disease protection: SCN/Rps1k/BSR/SWMGreat performance in this RMYield / Yield / Yield	E3	9	7	M	Gray	Brown	Imperfect Black	8	Medium Bush	9	9	8	8	8	9	Rps1k	7	R3, MR14	7	R	6	N/A
RS 23EL34	2.3	<ul style="list-style-type: none">Broadly adapted varietySolid multi-year performance numbersImpressive bushing ability	E3	9	8	MT	Gray	Tan	Buff	8	Intermediate Bush	9	9	8	8	9	9	Rps1k	7	R3, MR14	8	R	7	N/A
RS 25EL24	2.5	<ul style="list-style-type: none">Clean look at maturityBig yields, broad acres	E3	8	6	MT	Gray	Brown	Imperfect Black	8	Medium Bush	9	8	7	7	8	9	No Gene	7	R3, MR14	6	R	5	8
RS 26EL80	2.6	<ul style="list-style-type: none">Good plant height and standability, big plus for Peking lineQuite eye catching	E3	8	8	MT	Gray	Tan	Buff	8	Medium Bush	6	7	6	6	8	8	Rps1k	8	PEKING	N/A	R	N/A	N/A
RS 28EL98	2.8	<ul style="list-style-type: none">A "must try" lineAll about YieldReally good under stress	E3	8	7	MT	Gray	Brown	Imperfect Black	8	Intermediate Bush	9	8	8	9	9	9	Rps1k	8	R3, MR14	7	8	N/A	N/A
RS 31EL00	3.1	<ul style="list-style-type: none">Big and rugged yielderGood north/south movementHandles stress really well	E3	8	6	M	Gray	Brown	Buff	9	Medium Bush	7	8	9	9	6	8	Rps1a	7	R3, MR14	N/A	7	N/A	7
RS 18XT17	1.8	<ul style="list-style-type: none">Great StandabilitySuper tolerance to SWMLarge seed sized variety	R2X	8	8	MT	Gray	Brown	Buff	7	Medium Bush	9	9	8	8	8	9	Rps1a+3a	8	R3, MR14	9	8	7	9
RS 28XT37	2.8	<ul style="list-style-type: none">The total package, yield and agronomicsBig yields, broad acresThe standard in late Group II maturity	R2X	8	8	MT	Gray	Brown	Imperfect Black	8	Medium Bush	9	9	9	9	9	9	Rps1c	8	R3, MR14	7	8	8	N/A
V2122	2.1	<ul style="list-style-type: none">Powered by Virtue.Very broadly adapted across a wide geographyBrings very high yield potential, coupled with solid agronomics	CNV	8	9	M	Tawny	Tan	Brown	7	Medium Bush	9	8	8	7	9	8	Rps3a	7	No Gene	N/A	8	N/A	N/A

The Virtue™ soybean products have been developed by GDM Seeds Inc. and its affiliates through decades of elite soybean breeding, with the sole intent to create elite Soybean germplasm and produce high-yielding non-GMO soybeans. Bringing about these seed products has taken – and will continue to take – time, effort and investment to GDM and its suppliers. Such products are covered by intellectual property, including trademarks, pending plant variety certificates, confidential information, trade secrets, and pending patents (check lip of bag or attached tag for status of IP protection).

The purchase of these seeds includes a limited license to produce a single soybean crop

in the United States (or other applicable country). This license does not extend to the use of seed of such crop or the progeny thereof for propagation or seed multiplication. Grower shall not retain, hold back, clean, condition, sell (except as grain for feed or processing), transfer, or use any unused seed or its progeny (colloquially known as "saved seed" or "bin run") during any subsequent planting seasons beyond the planting season in which the applicable unit(s) of seed product(s) was acquired. In addition, research and breeding with the products and its progeny, seed multiplication, and/or sale, offering for sale, exchange, delivery, transfer, import, or export of seed of the Virtue soybean varieties is strictly prohibited.

Varieties with the DuPont™ STS™ soybean technology are tolerant to certain SU (sulfonylurea) herbicides. NOTE: A soybean variety with a herbicide tolerant trait does not confer tolerance to all herbicides. Spraying herbicides not labeled for a specific soybean variety will result in severe plant injury or plant death. Always read and follow herbicide label directions and precautions for use.

Performance may vary from location to location and from year to year, as local growing, soil and weather conditions may vary. The general recommendations contained herein are based on data taken from company trials and field observations and do not constitute

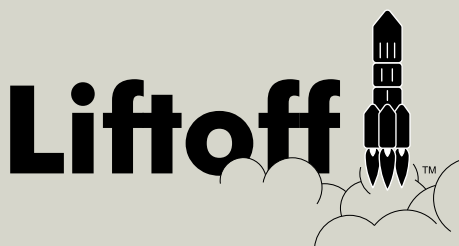
a warranty of fitness or guarantee of performance for a particular use. Growers should evaluate data from multiple locations and years whenever possible.

DuPont™ and STS™ are trademarks of Trademark of E.I. du Pont de Nemours and Company. Virtue™, the Virtue logo; PURE GENETIC POWER™; are trademarks of GDM Seeds, Inc. 3414 Big Pine Trail, Champaign, IL 61822. All other trademarks are the property of their respective owners.



"I knew Rupp Seeds from the vegetable seed division. When I got started in row crops, they sent a DSM out. Since working with them I've been able to double in size each year. I love that Rupp is a local company and I can talk with them face to face. I'm really not too interested in trying anybody else."

— Todd Taylor
Ottawa Lake, Michigan



THE COMPLETE SEED TREATMENT PACKAGE

Give your crop a boost
with early season protection
that delivers yield benefits
up to 4.7 bu./a on soybeans.

Liftoff is available in multiple
stages to protect your crop.



Rating Key

1 - 9 with 9 being Excellent

Plant Height

T = Tall

MT = Medium Tall

M = Medium

MS = Medium Short

S = Short

SEED PIRACY STATEMENT

Seed containing a patented trait can only be used to plant a single commercial crop. It is unlawful to save and replant Roundup Ready 2 Yield® soybeans, Roundup Ready 2 Xtend® soybeans, and XtendFlex® soybeans. Additional information and limitations on the use of these products are provided in the Technology Stewardship Agreement and the Bayer Technology Use Guide: <https://tug.bayer.com>. U.S. patents for Bayer technologies can be found at the following webpage: <http://www.monsantotechnology.com>

Enlist E3® soybean seeds containing the Enlist® trait can only be used to plant a single commercial crop. It is unlawful to save and replant Enlist E3® soybeans. Additional information and limitations on the use of these products are provided in the Corteva Agriscience Technology Use Agreement and Enlist® Soybean Product Use Guide. U.S. patents for Dow AgroSciences technologies can be found at the following webpage: www.corteva.us/Resources/trait-stewardship.html

Seeds containing the LibertyLink® trait may be protected under one or more U.S. patents and may be planted only to produce one (1) commercial crop in a single season, and only after signing a BASF Grower Technology Agreement. It is illegal to save seeds containing the LibertyLink trait for use as planting seed or for transfer to others for use as planting seed.

WHEAT & SMALL GRAINS

Variety	RS 912	RS 961	RS 977	RS 902
Relative Maturity	ME	M	M	ML
	Excellent straw production	For growers who prefer a smooth head	Excellent choice for growers reaching 100+ bu/a	For high management growers looking for superior yields
	Handles all soil types	Strong scab resistance with good test weight	Racehorse with stability and consistency	Great standability for high yield situations
	Big, full look	Excellent disease package	Broad adaptation	
	Elite yield, test weight, and scab rating			
Plant Height	MT	M	M	M
Awedness	Awnless	Awnless	Awed	Awed
Lodging	6	8	8	8
Test Weight	8	8	6	8
Scab Resistance	Yes	Yes	Yes	Yes
Leaf Rust	7	6	6	6
Stripe Rust	8	9	8	4
SLB	7	8	7	7
SGB	8	7	8	7
ByDv	8	7	7	6
PM	7	7	8	5
Hessian Fly	9	9	8	9
Winter Hardiness	8	8	8	8

Ratings Key

Maturity: E=Early, M=Medium, L=Late





Plant Height: S=Short, M=Medium, T=Tall

Scale: 1-9 with 9 being Excellent

SEEDING RATES

Species	Average Seeds per Pound	Seeding Rate (alone)	Seeding Rate (in mixes)	Time to Sow
Wheat	11,250	1M-1.7M seeds/A	n/a	Sept 20-Nov 1
Oats	12,600	800,000-1.2M seeds/A	n/a	Feb-April
Barley	13,500	1.3M-1.6M seeds/A	n/a	Aug-Oct / March-April
Spelt	n/a	100 #/A	n/a	Sept 25-Oct
Tricale	n/a	100-120 #/A	n/a	Aug-Oct / Feb-April
Brome	135,000	15-25 #/A	8-12 #/A	Spring / Fall
Teff Grass		8-12 #/A	6-10 #/A	Late May-Late July
Orchardgrass	650,000	15-25 #/A	4-10 #/A	Spring / Fall
Timothy	1,230,000	8-12 #/A	2-6 #/A	Spring / Fall
Forage Turnips	240,000	5-7 #/A	4-6 #/A	Summer-Fall
Radishes	48,000	8-12 #/A	6-10 #/A	August-September
Fawn Tall Fescue	230,000	15-20 #/A		
Gulf Annual Ryegrass		12-20 #/A		
Cereal Rye VNS - Cover	18,200	30-50 #/A	n/a	Late Aug-Nov

ALFALFA & MIXES

Variety	FF RL17	FF RLH04	FF 438RR	FF RL 20BR	Green Harvest
					
Relative Maturity	M	M	M	M	M
	Bred for herbage quality Outstanding yield potential	It will provide control of potato leaf hopper under moderate to heavy insect infestations. Will deliver greater forage yield under delayed harvest intervals.	Great forage yields and quality Very fast recovery after cutting For commercial hay or beef and dairy producers	Bred for high forage yield potential and expression of the branch root feature Protected by high resistance to multiple isolates of Aphanomyces root rot Race 2. Branch root feature for production in wet soils.	Great choice for the price conscious alfalfa producer Excellent persistence Three to four years of production with fast regrowth
Root Type	Tap	Tap	Tap	Branch	Tap
Fall Dormancy	3.5-5.0	4	4	3.5-5.0	4
Winter Survival	1.5-2.0	2.4	2	1.8-2.0	2.5
Bacterial Wilt	HR	HR	HR	HR	R
Fusarium Wilt	HR	HR	HR	HR	R
Phytophthora Root Rot	HR	HR	HR	HR	MR
Verticillium Wilt	HR	HR	HR	HR	MR
Anthracnose	HR	HR	HR	HR	MR
Aphanomyces Root Rot	HR	HR	HR	HR	LR

Alfalfa Ratings Key

Maturity: M = Medium

Fall Dormancy scale: 1 = least fall growth to 9 = greatest fall growth

Winter Survival Index: 1.5 = superior winter survival, 2.0 = very good,

2.5 = good to very good, 3 = good, 4 = adequate, 5 = low, 6 = no winter survival

Disease/Insect Ratings: Highly Resistant (>50% of plants of resistance), Resistant (31-50%), Moderately Resistant (15-30%),




Low Resistance (6-14%), Susceptible (<6%)

Mixes	Seeding Rate
1221 Mix <ul style="list-style-type: none">80% alfalfa*, 13% Timothy**, 7% OrchardgrassAdds timothy and orchardgrass to extend the life of your seeding.Our most popular mix.	18-20 #/A
9321 Mix <ul style="list-style-type: none">60% alfalfa*, 20% Red Clover, 13% Timothy**, 7% OrchardgrassMixes with FF RL17 use an improved timothy	18-20 #/A
933 Mix <ul style="list-style-type: none">60% alfalfa*, 20% Red Clover, 20% Timothy**Mixes with FF RL17 use an improved timothy	18-20 #/A
Beef Pasture <ul style="list-style-type: none">20% Tetraploid Perennial Rye, 20% Lofa, 15% Orchardgrass, 15% Alfalfa, 15% Red Clover, 5% Birdsfoot Trefoil, 5% Meadow Brome, 5% Ladino CloverMixture of the top of the line grasses and legumesFormulated with high yielding, long term pasture in mindContains 40% legumes and 60% grasses	25 #/A
Grass Pasture <ul style="list-style-type: none">35% Tetraploid Perennial Rye, 25% Orchardgrass, 25% Lofa, 15% TimothyPopular choice for an all grass pasture.Works well for horses, sheep, or goats.	15-20 #/A

*Choose either Forage Feast RL17 or Green Harvest alfalfa

**Mixes with FF RL17 use an improved timothy that is early maturing, has excellent winter hardiness, and improved summer growth.

FORAGES

Variety	Forage Feast DSBMR603	Forage Feast SSBMR907	Forage Feast FSBMR921	Pro-Ton+	Everleaf Oats
	 Sorghum- Sudangrass	 Sorghum- Sudangrass	 Forage Sorghum		
Relative Maturity	50-55 days to boot	50-55 days to boot	60-65 days to boot	55-65	
	High quality forage that has excellent early vigor. High leaf to stem ratio means that you can count on high protein. The digestibility of this hybrid has been increased by 20% due to the BMR 6 trait. Dry stalk gene allows a more timely harvest to help get the crop baled and out of the field before it gets rained on while drying.	Excellent dryland hybrid with sweet juicy stalks. Good for dryland grazing, hay, balage, or silage. Reduced lignin improves fiber digestibility and palatability. Better nutritionally, grows off faster, has finer stems, yields better and regrows more aggressively than past varieties.	High yields and improved digestibility equals increased feeding efficiency. Excellent double cropping or short season hybrid with the ability to direct chop once. Requires less inputs and water than corn for the same production.	Expected Nutrition Benefits: Crude Protein: 15-20%, ADF: 35-40%, TDF: 50-60%, NDF: 50-55% Summer planted forage of BMR Sorghum Sudangrass, soybeans, and forage peas. High in lysine and protein yet low in lignin. 40-50# of N/Acre	A true spring oat with dark green foliage, an erect growth habit, and very good standability. Extraordinary biomass accumulation. Has a compact panicle that offers an attractive product when baled.
Growth Habit	Upright	Upright	Upright		Erect
Midrib Type	Brown	Brown	BMR 6		
Plant Height	50"-55"	40"-50"	7-8'		48-52"
Seeding Rate	15-35 #/A	20-35 #/A	8-10 #/A	100-125 #/A	Alone: 75-80 #/A With Alfalfa: 32-40 #/A

PRO-TON+ MANAGEMENT PRACTICES

SEEDING

Should be drilled (using the soybean setting).

Plant in warm soils (60–65 °F).

Seeding Depth: 1"–1½"

Fertilizer Recommendations: 45–50 lbs of N

HARVEST

55–65 days after planting.

Planted after wheat in Mid–July normally yields 11–13 tons per acre at 50% dry matter.

BMR SORGHUM-SUDANGRASS MANAGEMENT PRACTICES

SEEDING

Soil temperature should be at least 60 °F.

Plant between April 10–July 10.

Can be no-tilled into the stubble of winter and spring crops.

Planting depth should be 1".

Do not plant in soils with pH greater than 7.5 to 8.0.

HARVEST

50–55 days after planting.

Due to the unique cropping practices do not plant Roundup Ready® Alfalfa in Imperial County, California, pending import approvals and until Forage Genetics International, LLC (FGI) grants express permission for such planting.

Forage Genetics International, LLC ("FGI") is a member of Excellence Through Stewardship® (ETS). FGI products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with FGI's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. Roundup Ready® Alfalfa has pending import approvals. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Growers should refer to <http://www.biotradestatus.com/> for any updated information on import country approvals. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready® crops contain genes that confer tolerance to glyphosate. Glyphosate herbicides will kill crops that are not tolerant to glyphosate. Roundup Ready® is registered trademarks of Bayer Group, used under license by Forage Genetics International, LLC.

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

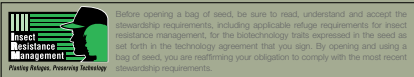
ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. It is a violation of federal and state law to use any pesticide product other than in accordance with its labeling. NOT ALL formulations of dicamba or glyphosate are approved for in-crop use with Roundup Ready 2 Xtend® soybeans. NOT ALL formulations of dicamba, glyphosate or glufosinate are approved for in-crop use with products with XtendFlex® Technology. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USES AND APPROVED FOR SUCH USE IN THE STATE OF APPLICATION. Contact the U.S. EPA and your state pesticide regulatory agency with any questions about the approval status of dicamba herbicide products for in-crop use with Roundup Ready 2 Xtend® soybeans or products with XtendFlex® Technology.

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

IMPORTANT IRM INFORMATION: RIB Complete® corn blend products do not require the planting of a structured refuge except in the Cotton-Growing Area where corn earworm is a significant pest. See the IRM/Grower Guide for additional information. Always read and follow IRM requirements.

Roundup Ready® 2 Technology contains genes that confer tolerance to glyphosate. Roundup Ready 2 Xtend® soybeans contain genes that confer tolerance to glyphosate and dicamba. Products with XtendFlex® Technology contains genes that confer tolerance to glyphosate, glufosinate and dicamba. Glyphosate will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. Glufosinate will kill crops that are not tolerant to glufosinate. Contact your seed brand dealer or refer to the Bayer Technology Use Guide for recommended weed control programs.

Insect control technology provided by Vip3A is utilized under license from Syngenta Crop Protection AG. Herculex® is a registered trademark of Dow AgroSciences LLC. Agrisure Viptera® is a registered trademark of a Syngenta group company. LibertyLink® and the Water Droplet Design® is a trademark of BASF Corporation. Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association. RIB Complete®, Roundup Ready 2 Technology and Design®, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready®, SmartStax®, Trecepta®, VT Double PRO® and XtendFlex® are trademarks of Bayer Group.



Corteva Agriscience is a member of Excellence Through Stewardship® (ETS). Corteva Agriscience products are commercialized in accordance with ETS Product Launch Stewardship Guidance and in compliance with the Corteva Agriscience policies regarding stewardship of those products. In line with these guidelines, our product launch process for responsible launches of new products includes a longstanding process to evaluate export market information, value chain consultations, and regulatory functionality. Growers and end users must take all steps within their control to follow appropriate stewardship requirements and confirm their buyer's acceptance of the grain or other material being purchased. For more detailed information on the status of a trait or stack, please visit www.biotradestatus.com.

Seeds containing the Enlist, Herculex and PowerCore traits are protected under numerous US patents. Seeds containing patented traits can only be used to plant a single commercial crop and cannot be saved or replanted. You acknowledge and agree to be bound by the terms and conditions of the following documents in effect at the time of planting of this seed: (i) the Technology Use Agreement and (ii) the Product Use Guides for all technologies in this seed, including the Herbicide Resistance Management (HRM), and Use requirements detailed therein (www.corteva.us/Resources/trait-stewardship.html). To plant Enlist, Herculex and PowerCore seed, you must have a limited license from Corteva Agriscience (or other appropriate affiliates). In consideration of the foregoing, Corteva Agriscience grants to the Grower the limited license to use its technology to produce only a single commercial crop in the United States under the terms and conditions set forth in the Technology Use Agreement in effect at the time of planting of this seed. Always read and follow herbicide label directions prior to use: Enlist® products contain the Enlist trait that provides crop safety for use of labeled over-the-top applications of glyphosate, glufosinate and 2,4-D herbicides featuring Colex-D® technology when applied according to label directions. Following burndown, the only 2,4-D containing herbicide products that may be used with Enlist® crops are products that feature Colex-D technology and are expressly labeled for use on Enlist crops. 2,4-D products that do not contain Colex-D technology are not authorized for use in conjunction with Enlist products.

The transgenic soybeans event in Enlist E3® soybeans is jointly developed and owned by Dow AgroSciences LLC and M.S. Technologies, L.L.C.® Enlist, Enlist E3, the Enlist E3 logo, and Colex-D are trademarks of The Dow Chemical Company ("Dow") or an affiliated company of Dow. Excellence Through Stewardship is a registered trademark of Excellence Through Stewardship.

Important: Always read and follow label and bag tag instructions; only those labeled as tolerant to glufosinate may be sprayed with glufosinate ammonium based herbicides. Agrisure®, Agrisure Artesian®, Agrisure Duracade®, Agrisure Viptera® and E-Z Refuge® are registered trademarks of a Syngenta Group Company. More information about Agrisure Duracade® is available at <http://www.biotradestatus.com/>.

Agrisure® Technology incorporated into these seeds is commercialized under license from Syngenta Seeds, LLC. Herculex® Technology incorporated into these seeds is commercialized under license from Dow AgroSciences, LLC. HERCULEX® and the HERCULEX Shield are trademarks of Dow AgroSciences, LLC. LibertyLink®, Liberty® and the Water Droplet logo are registered trademarks of BASF.

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

The Rupp Circle Logo®, Helping farm families feed their friends & neighbors at home & around the world®, and See What Good Yields® are registered trademarks of Rupp Seeds Inc.



SEE WHAT GOOD YIELDS®

Rupp Seeds Inc.
17919 County Road B
Wauseon, OH 43567
toll free 877-591-SEED (7333)

ruppseeds.com