



**MID OHIO  
REGION**





Philip Rupp  
President

Selecting the seed you plant is your first and best opportunity to impact the success of your growing season.

Our regional focus pays dividends for farmers as we rapidly release new varieties from leading corn and soybean breeders that are uniquely suited to your growing region. This means the Rupp brand brings true genetic diversity to your farm which helps minimize your risks throughout the growing season.

Our partnerships with the leading trait technology innovators also enables us to provide you with multiple options for weed control, opening up the whole range of tools for managing tough-to-control resistant weeds.

The genetic potential of each Rupp product, along with select seed enhancements that boost seedling and plant health, and technologies that protect performance are all key to maximizing yields which leads to your success each season.

On behalf of the entire team at Rupp Seeds, thank you for your business. We hope for all the best for you in 2021.

## CONTACTS

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### Rupp Seeds

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

# CORN HYBRIDS

				PLANT CHARACTERISTICS											SOIL PRODUCTIVITY					MANAGEMENT CLASSES						
				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
Hybrid	RM																									
XR J01-50 XR D01-90	101	SSX VT2P	<ul style="list-style-type: none"><li>Attractive open flared husks aid in rapid drydown</li><li>Very healthy hybrid, able to handle the region's corn diseases</li><li>Very good seedling vigor and early plant growth</li></ul>	2380	32-38	8	8	9	8	SD	14-16	8	6	M	M	9	9	9	9	9	Grain	8	2	7	8	8
XR D03-07 XR A03-67	103	VT2P CNV	<ul style="list-style-type: none"><li>Long ears with good kernel depth leads to impressive fall appearance</li><li>Best used on highly productive and intermediate soils</li><li>Very agronomically sound hybrid</li></ul>	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 D04-31	104	VT2P	<ul style="list-style-type: none"><li>Solid Agronomic and Disease Package</li><li>Versatile Choice</li><li>Very Good Tar Spot Tolerance</li></ul>	2565	26-32	7	8	9	7	SF	16-18	9	8	M	M	8	9	9	9	9	Dual Purpose	8	3	9	7	7
XR D06-53	106	VT2P	<ul style="list-style-type: none"><li>Broadly adapted product with strong yield potential</li><li>Very nice grain quality and test weight</li><li>Strong fall appearance</li></ul>	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
XR J07-42 XR D07-72 XR A07-32	107	SSX VT2P CNV	<ul style="list-style-type: none"><li>Awesome top end yield potential</li><li>Widely adapted with very good southern movement</li><li>Compact plant coupled with a "die and dry" fall style leads to ease of harvest</li></ul>	2550	34-38	8	8	8	7	SF	18-20	7	7	M	M	9	9	9	9	9	Dual Purpose	8	2	7	7	8
XR A08-78	108	CNV	<ul style="list-style-type: none"><li>Manage to harvest in a timely fashion</li><li>Unique set of genetics to diversify the portfolio</li><li>Outstanding test weight hybrid</li></ul>	2510	28-38	7	8	7	9	SF	14-16	7	6	MT	M	9	8	8	7	7	Grain	9	2	7	8	7
XR D09-42	109	VT2P	<ul style="list-style-type: none"><li>Top end yield performance</li><li>Exhibits good tip fill and rapid drydown</li><li>One of the "Big Three" at this RM</li></ul>	2545	32-38	8	8	7	7	SF	16-18	7	6	MT	M	9	9	8	8	7	Dual Purpose	9	2	8	7	8
XR D09-63	109	VIP 3220A	<ul style="list-style-type: none"><li>Great yield stability north to south, east to west</li><li>Agrisure Artesian® technology</li><li>One of the "Big Three" at this RM</li></ul>	2590	30-36	7	9	7	7	SF	16-18	7	7	M	M	9	8	7	7	9	Grain	7	2	6	8	8
XR D10-59	110	VT2P	<ul style="list-style-type: none"><li>Widely adapted east to west in northern corn regions</li><li>Very Good Stalks &amp; Roots</li><li>Works very well on poorly drained soils</li></ul>	2695	30-36	8	8	8	8	SD	14-16	8	7	M	M	9	9	8	9	8	Grain	8	3	7	8	7
XR J10-26 XR D10-16 XR A10-56	110	SSX VT2P CNV	<ul style="list-style-type: none"><li>The COMPLETE package and standard in the mid-full RM zone</li><li>Great stalks, roots, and early vigor</li><li>Deep kernels and high test weight</li></ul>	2565	32-38	8	9	7	8	SD	14-16	9	8	M	M	9	9	8	7	8	Grain	8	3	9	7	8
XR A12-93	112	CNV	<ul style="list-style-type: none"><li>Chart topping yield performance</li><li>Tall hybrid with dual purpose application</li><li>Extremely healthy hybrid</li></ul>	2760	30-36	9	9	8	9	SF	14-16	8	9	T	MH	9	9	7	7	7	Dual Purpose	6	3	8	6	8
XR D12-49	112	VT2P	<ul style="list-style-type: none"><li>Responds to high management, loves nitrogen</li><li>Anthracnose stalk resistance leads to great standability</li><li>Semi Flex ear, excellent test weight</li></ul>	2760	30-34	9	8	7	9	SF	16-18	8	8	MT	M	9	9	8	7	8	Grain	9	3	9	7	8
XR D13-15	113	VT2P	<ul style="list-style-type: none"><li>Balanced ear style with good tip fill and cover</li><li>Exceptional late season health and intactness</li><li>Great companion hybrid to XR D12-49, giving wide genetic diversity</li></ul>	2710	30-36	8	8	7	8	SF	16-18	7	8	MT	M	9	9	9	8	8	Grain	8	3	7	8	7

Rating Key  
1 - 9 with 9 being Excellent

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

# CORN

## ADDITIONAL HYBRIDS

### ORGANIC

XR N90-77 90 RM  
XR N97-55 97 RM  
XR N03-67 103 RM

### CONVENTIONAL

XR A90-15 90 RM  
XR A94-16 94 RM  
XR A97-55 97 RM  
XR A99-20 99 RM  
XR A00-60 100 RM  
XR A02-20 102 RM  
XR A06-06 106 RM  
XR A06-10 106 RM

### VT2P

XR D94-26 94 RM  
XR D97-95 97 RM  
XR D99-08 99 RM  
XR D06-70 106 RM  
XR D11-57 111 RM

### SSX

XR J94-09 94 RM  
XR J94-91 94 RM  
XR J98-52 98 RM  
XR J05-75 105 RM

### DURACADE 5222

XR J02-35 102 RM

### VIP 3120

XR D06-61 106 RM

### GT

XR G08-09 108 RM

### VIP 3220

XR D96-13 96 RM

### VIP 3220A

XR D84-36 84 RM  
XR D91-65 91 RM

### ROUNDUP READY

XR G94-86 94 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<sup>®</sup>  
5222 E-Z Refuge<sup>®</sup>

GT  
 AgrisureGT

RR  
 Roundup  
Ready<sup>2</sup>  
corn

SSX  
 SmartStax<sup>®</sup>  
RIB COMPLETE

VT2P  
 VtDoublePRO<sup>®</sup>  
RIB COMPLETE

VIP 3120  
 AgrisureViptera<sup>®</sup>  
3110

VIP 3220  
 AgrisureViptera<sup>®</sup>  
3220 E-Z Refuge<sup>®</sup>

VIP 3220A  
 AgrisureViptera<sup>®</sup>  
3220A E-Z Refuge<sup>®</sup>

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



"We have noticed better plant health and standability at harvest for Rupp corn compared to competitors. We are planting more acres to Rupp every year. It's a great company to work with that sells quality products and has excellent customer service."

— Matt Tyree, Will & Drew Gracely  
Marion, Ohio

"I have been using Rupp Seed for 6-8 years. Their support team from sales to boots in the field and problem solving is outstanding. We've recently done some split planter trials on corn and Rupp hybrids have been exceptional in comparison to others."

— Mark Hatfield  
Arcanum, Ohio



"My Rupp Seeds rep is very helpful with questions or problems in my operation. The products perform great. I have produced more corn at a lower moisture with Rupp hybrids."

— Ben Vondenhuel  
Sidney, Ohio



# SOYBEAN VARIETIES

No dicamba may be used in-crop with seed in the Roundup Ready® Xtend Crop System unless and until approved by the U.S. EPA and the appropriate state agency for such use. As of 7/31/2020, no dicamba formulations are currently registered by the U.S. EPA for in-crop use with seed in the Roundup Ready® Xtend Crop System in the 2021 season.\*

			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 23XT22	2.3	<ul style="list-style-type: none"><li>Great companion line with RS 18XT17</li><li>Standability is unmatched</li><li>Outstanding performance on highly productive soils</li></ul>	R2X	8	9	MT	Lt. Tawny	Tan	Black	8	Medium Bush	9	8	7	6	9	8	Rps1c	7	R3, MR14	7	8	6	9
RS 24XT53	2.4	<ul style="list-style-type: none"><li>Great defense against PRR, SCN, SDS, SWM</li><li>Broadly adapted to most soil types</li></ul>	R2X	7	7	MT	Gray	Brown	Imperfect Black	8	Bush	8	9	9	9	7	9	Rps1k+3a	8	R3, MR14	7	9	8	N/A
RS 25XT12	2.5	<ul style="list-style-type: none"><li>Plant style and standability will allow real flexibility</li><li>Expect big performance on highly productive soils</li></ul>	R2X	8	8	MT	Gray	Brown	Imperfect Black	8	Medium Bush	9	8	8	8	8		Rps1k	7	R3, MR14	7	9	8	9
RS 28XT37	2.8	<ul style="list-style-type: none"><li>The total package, yield and agronomics</li><li>Big yields, broad acres</li><li>The standard in late Group II maturity</li></ul>	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
RS 33XT32	3.3	<ul style="list-style-type: none"><li>The total package, yield and agronomics</li><li>The Standard in Early Group III</li></ul>	R2X	8	7	MT	Lt. Tawny	Brown	Black	8	Medium Bush	9	9	9	7	9	9	No Gene	7	R	7	9	8	9
RS 36XT02	3.6	<ul style="list-style-type: none"><li>Built for the tristate area</li><li>Tough, rugged variety</li></ul>	R2X	8	7	T	Gray	Brown	Imperfect Black	8	Medium Bush	8	8	9	9	8	9	Rps1c+3a	8	R3, MR14	7	8	7	7
RS 25FX51	2.5	<ul style="list-style-type: none"><li>A broad acre variety</li><li>Nice harvest appearance</li><li>Very good standability</li></ul>	FX	7	8	M	Gray	Tan	Gray	N/A	Bush	8	8	8	8	6	8	Rps1c	7	R3, MR14	N/A	9	N/A	N/A
RS 30FX01	3.0	<ul style="list-style-type: none"><li>A proven Early Group III</li></ul>	FX	7	6	MT	Gray	Brown	Imperfect Black	N/A	Medium Bush	7	7	7	6	6	6	Rps3a	6	R3, MR14	N/A	7	N/A	7
RS 35FX50	3.5	<ul style="list-style-type: none"><li>Medium tall with average standability</li></ul>	FX	7	6	T	Lt. Tawny	Brown	Black	N/A	Medium Bush	7	7	7	5	4	7	No Gene	5	R3, MR14	N/A	8.0	N/A	N/A
RS 21EL57	2.1	<ul style="list-style-type: none"><li>Unique disease protection: SCN/Rps1k/BSR/SWM</li><li>Great performance in this RM</li><li>Yield / Yield / Yield</li></ul>	E3	8	7	M	Gray	Brown	Imperfect Black	N/A	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"><li>Broadly adapted variety</li><li>Solid multi-year performance numbers</li><li>Impressive bushing ability</li></ul>	E3	8	8	MT	Gray	Tan	Buff	8	Intermediate Bush	9	9	8	8	9	9	Rps1k	7	R3, MR14	7	R	7	N/A
RS 25EL24	2.5	<ul style="list-style-type: none"><li>Clean look at maturity</li><li>Big yields, broad acres</li></ul>	E3	8	5	MT	Gray	Brown	Imperfect Black	8	Medium Bush	9	8	7	7	8	9	No Gene	7	R3, MR14	5	R	5	8
RS 30EL18	3.1	<ul style="list-style-type: none"><li>Flaw Free line at 3.1 R.M.</li><li>Enhanced disease package</li><li>Great standing line with yield power to spare</li></ul>	E3	8	9	MT	Gray	Tan	Imperfect Black	8	Medium Bush	9	9	8	8	9	9	No Gene	9	R3, MR14	7	9	7	7
RS 35EL01	3.4	<ul style="list-style-type: none"><li>Great performance in the Eastern Corn Belt</li><li>Line with some good plant height and near perfect standability</li></ul>	E3	7	9	MT	Lt. Tawny	Tan	Black	8	Intermediate Bush	8	8	8	8	8	8	Rps1c	7	R3, MR14	7	5	5	8
RS 23BG30	2.3	<ul style="list-style-type: none"><li>A broad acre product</li><li>Built with yield and defensive traits</li></ul>	GT27	8	8	MT	Lt. Tawny	Tan	Black	8	Medium Bush	8	8	9	9	8	9	Rps1k	8	R3, MR14	7	5	6	9
RS 28BG90	2.8	<ul style="list-style-type: none"><li>A must have late Group II line</li><li>Excellent stress tolerant variety</li></ul>	GT27	8	7	MT	Lt. Tawny	Tan	Brown	8	Medium Bush	9	8	8	8	8	9	No Gene	8	R3, MR14	7	9	7	N/A
RS 34BG40	3.4	<ul style="list-style-type: none"><li>Highest yielding GT27 in the lineup</li><li>Consistent performance over multiple soil types</li></ul>	GT27	7	7	MT	Lt. Tawny	Tan	Black	8	Medium Bush	8	9	9	7	8	9	No Gene	7	R3, MR14	7	6	8	N/A
RS 22CV88	2.2	<ul style="list-style-type: none"><li>Nice upgrade over our RS 2225</li><li>Good north/south movement</li></ul>	CNV	8	7	MT	Lt. Tawny	Tan	Brown	7	Medium Bush	8	8	7	7	8	8	Rps1a	7	R3, MR14	8	8	7	9

\*No dicamba may be used in-crop with seed in the Roundup Ready® Xtend Crop System unless and until approved by the U.S. EPA and the appropriate state agency for such use. As of 7/31/2020, no dicamba formulations are currently registered by the U.S. EPA for in-crop use with seed in the Roundup Ready® Xtend Crop System in the 2021 season. Current stocks of dicamba herbicides previously approved for in-crop use with seed in the Roundup Ready® Xtend Crop System may not be used for the 2021 growing season. Dicamba may harm crops that are not tolerant to dicamba. Contact the U.S. EPA and your state pesticide regulatory agency with any questions about the approval status of dicamba herbicides products for in-crop use with seed in the Roundup Ready® Xtend Crop System.

NOTICE: DO NOT APPLY ANY HERBICIDE TO SEED IN THE ROUNDUP READY® XTEND CROP SYSTEM UNLESS IT HAS A PRODUCT LABEL SPECIFICALLY AUTHORIZING THAT USE. TO USE A HERBICIDE IN ANY MANNER INCONSISTENT WITH ITS LABELING IS A VIOLATION OF FEDERAL LAW. REFER TO THE BAYER TECHNOLOGY USE GUIDE FOR DETAILS AND RECOMMENDATIONS ON USING APPROVED ROUNDUP® AND LIBERTY® BRANDED HERBICIDES ON SEED IN THE ROUNDUP READY® XTEND CROP SYSTEM.



"We love our Rupp soybeans. Since using Rupp, we have experienced the highest overall farm average that we have ever seen. We have worked with our Rupp dealer for many years and we know we can always count on him and Rupp management for any service that we need. The Rupp organization will take care of you."

— Marlin Stump  
Greenville, Ohio



## 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.



CNV  
Conventional



### 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 from which seed cannot be saved and replanted. Examples of seed containing a patented trait include but are not limited to 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 Monsanto Technology Stewardship Agreement and the Monsanto Technology Use Guide. U.S. patents for Monsanto 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](http://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	RS 968
Relative Maturity	ME	M	M	ML	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	Workhorse with yield.
	Handles all soil types	Strong scab resistance with good test weight	Racehorse with stability and consistency	Great standability for high yield situations	Great option for all soil types.
	Big, full look				Excellent producer of straw.
	Elite yield, test weight, and scab rating	Excellent disease package	Broad adaptation		
Plant Height	MT	M	M	M	M+
Awedness	Awnless	Awnless	Awed	Awed	Awed
Lodging	6	8	8	8	7
Test Weight	8	8	6	8	7
Scab Resistance	Yes	Yes	Yes	Yes	Yes
Leaf Rust	7	6	6	6	7
Stripe Rust	8	9	8	4	8
SLB	7	8	7	7	8
SGB	8	7	8	7	8
ByDv	8	7	7	6	7
PM	7	7	8	5	7
Hessian Fly	9	9	8	9	8
Winter Hardiness	8	8	8	8	7

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	Green Harvest	FF RL17	FF RLH04	FF 428RR	FF RL 20BR
					
Relative Maturity	M	M	M	M	M
	Great choice for the price conscious alfalfa producer  Excellent persistence  Three to four years of production with fast regrowth	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.
Root Type	Tap	Tap	Tap	Branch	Tap
Fall Dormancy	4	3.5-5.0	4	4	3.5-5.0
Winter Survival	2.5	1.5-2.0	2.4	2	1.8-2.0
Bacterial Wilt	R	HR	HR	HR	HR
Fusarium Wilt	R	HR	HR	HR	HR
Phytophthora Root Rot	MR	HR	HR	HR	HR
Verticillium Wilt	MR	HR	HR	HR	HR
Anthracnose	MR	HR	HR	HR	HR
Aphanomyces Root Rot	LR	HR	HR	HR	HR

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
<b>1221 Mix</b> <ul style="list-style-type: none"><li>80% alfalfa*, 13% Timothy**, 7% Orchardgrass</li><li>Adds timothy and orchardgrass to extend the life of your seeding.</li><li>Our most popular mix.</li></ul>	18-20 #/A
<b>9321 Mix</b> <ul style="list-style-type: none"><li>60% alfalfa*, 20% Red Clover, 13% Timothy**, 7% Orchardgrass</li><li>Mixes with FF RL17 use an improved timothy</li></ul>	18-20 #/A
<b>933 Mix</b> <ul style="list-style-type: none"><li>60% alfalfa*, 20% Red Clover, 20% Timothy**</li><li>Mixes with FF RL17 use an improved timothy</li></ul>	18-20 #/A
<b>Beef Pasture</b> <ul style="list-style-type: none"><li>20% Tetraploid Perennial Rye, 20% Lofa, 15% Orchardgrass, 15% Alfalfa, 15% Red Clover, 5% Birdsfoot Trefoil, 5% Meadow Brome, 5% Ladino Clover</li><li>Mixture of the top of the line grasses and legumes</li><li>Formulated with high yielding, long term pasture in mind</li><li>Contains 40% legumes and 60% grasses</li></ul>	25 #/A
<b>Grass Pasture</b> <ul style="list-style-type: none"><li>35% Tetraploid Perennial Rye, 25% Orchardgrass, 25% Lofa, 15% Timothy</li><li>Popular choice for an all grass pasture.</li><li>Works well for horses, sheep, or goats.</li></ul>	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	Pro-Ton+	Everleaf Oats
				
Relative Maturity	50-55 days to boot	50-55 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.	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		Erect
Midrib Type	Brown	Brown		
Plant Height	50"-55"	40"-50"		48-52"
Seeding Rate	15-35 #/A	25-40 #/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.biotechstatus.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.

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**XtendFlex® soybeans** have received full approval for planting in the United States but are pending approval in certain export markets. For 2020, XtendFlex® soybeans will be available as part of a steward introduction only to growers who have signed a 2020 XtendFlex® Stewardship Agreement and agree to follow the stewardship requirements. Commercial availability in 2021 is dependent upon regulatory approval.

**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 USE 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.

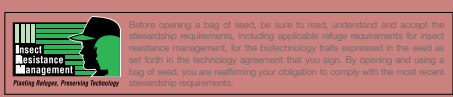
**B.t. products** may not yet be registered in all states. Check with your seed brand representative for the registration status in your state.

**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.**

**Performance may vary**, from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields.

**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 Monsanto Technology Use Guide for recommended weed control programs.

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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](http://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.biotechstatus.com/>.

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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.

LibertyLink® GT2® soybeans offer triple stack tolerance to Liberty, glyphosate, and, in select counties specified on the label, the first HPPD based herbicide for soybeans—Alite™ 27. Other HPPD herbicides not labeled for use with LibertyLink GT27 or isoxaflutole-resistant soybeans may cause significant crop injury. Alite 27 herbicide is only available for use in labeled counties.

Always read and follow label directions. Alite 27 is a restricted use herbicide. Alite, Liberty, and LibertyLink are registered trademarks of BASF. GT27 is a registered trademark of M.S. Technologies, L.L.C. MS Technologies is a trademark of M.S. Technologies, L.L.C. ©2020 BASF Corporation / M.S. Technologies, L.L.C. All Rights Reserved. APN 20-INT-0014

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