



**Rupp**

**2022  
GRAIN &  
FORAGE**

Serving  
farmers  
since  
1946

**75**  
Years



Mid Ohio

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

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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

Hybrid	RM			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
<b>XR D01-90</b> <b>XR J01-50</b>	101	VT2P SSX	<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>	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
<b>XR J02-35</b>	102	DC5222	<ul style="list-style-type: none"> <li>Good plant integrity into the fall harvest season</li> <li>"No worries" kind of corn</li> </ul>	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
<b>XR D03-07</b> <b>XR A03-67</b> <b>XR N03-67</b>	103	VT2P CNV ORG	<ul style="list-style-type: none"> <li>Long ears with good kernel depth</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
<b>XR D05-16</b>	105	VT2P	<ul style="list-style-type: none"> <li>Excels on high productivity acres</li> <li>Very good emergence and seedling vigor</li> <li>Handles stress well</li> </ul>	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
<b>XR D06-53</b>	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
<b>XR D07-72</b> <b>XR J07-42</b> <b>XR A07-32</b>	107	VT2P SSX 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>	2625	34-38	8	8	8	7	SF	18-20	7	8	M	M	9	9	9	9	9	Dual Purpose	7	2	7	7	8
<b>XR J08-88</b>	108	DC5222	<ul style="list-style-type: none"> <li>High performing Agrisure Artesian®</li> <li>Excellent Southern movement</li> <li>Ear flex supports a wide range of populations</li> </ul>	2585	28-34	8	7	8	7	F	14-16	8	7	M	M	9	8	8	7	8	Grain	9	2	7	7	7
<b>XR D09-42</b>	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>	2575	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
<b>XR D10-59</b>	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
<b>XR D10-16</b> <b>XR J10-26</b> <b>XR A10-56</b>	110	VT2P SSX 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
<b>XR D12-49</b>	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
<b>XR D13-15</b>	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
<b>XR D16-90</b>	116	VT2P	<ul style="list-style-type: none"> <li>Full season yield leader with excellent agronomics</li> <li>Girthy, semiflex ears with 18-20 kernel rows</li> <li>Strong anthracnose tolerance</li> </ul>	2780	32-38	9	8	7	9	SF	18-20	6	8	MT	MH	9	9	9	9	9	Dual Purpose	8	2	9	5	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  
XR N97-55 97 RM

### CONVENTIONAL

XR A90-15 90 RM  
XR A91-04 91 RM  
XR A94-16 94 RM  
XR A97-55 97 RM  
XR A00-60 100 RM  
XR A06-06 106 RM  
XR A08-78 108 RM  
XR A13-65 113 RM

### GT

XR G08-09 108 RM

### RR

XR G94-86 94 RM  
XR G00-81 100 RM

### VT2P

XR D94-26 94 RM  
XR D97-95 97 RM  
XR D99-08 99 RM  
XR D00-51 100 RM  
XR D04-31 104 RM

### SSX

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

### TRE

XR D98-43 98 RM

### VIP 3120

XR D84-35 84 RM

### VIP 3220

XR D96-13 96 RM

### VIP 3220A

XR D91-54 91 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  
 5222 E-Z Refuge<sup>®</sup>

GT  


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
<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 been working with the Rupp seed company for the last three years and they have earned 100% of our farm's acres. In side-by-side comparisons, Rupp has tied or beaten the national brands. The sales team has far exceeded our expectations. I would highly recommend finding a spot for the Rupp brand on your farm to See What Good Yields!"

— Judd Rarey / Circle R Corp  
Kenton, Ohio

"Rupp has been a great addition to our soybean production. Our dealer along with our DSM are very knowledgeable and always available when we need them. We were hesitant at first to try something new, but glad we did. Rupp is a great company that stands behind their products and their soybeans have been a great asset on our farm."

— Joe & Tyler Everett  
Sidney, Ohio



"The technology is there to help manage my operation the way I need to run it. My sales rep has years of knowledge to put the seed to work without problems. The yields have held up consistently. I would recommend Rupp Seeds because they have sales with knowledge and concern about everything in the field is what I need, along with great delivery drivers."

— Dave Tong  
Arcadia, Ohio



# SOYBEAN VARIETIES

Hybrid	RM		Plant and Seed Characteristics								Soil Productivity						Disease Ratings							
			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
<b>RS 24FX70</b>	2.4	<ul style="list-style-type: none"> <li>Great plant style, good for all soil types</li> <li>Strong defensive package</li> <li>High Yield levels</li> </ul>	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
<b>RS 28FX25</b>	2.8	<ul style="list-style-type: none"> <li>Showy agronomics</li> <li>Super yields compared to best Xtend lines</li> </ul>	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
<b>RS 31FX44</b>	3.1	<ul style="list-style-type: none"> <li>Great emergence</li> <li>Taller plant type</li> <li>Great choice for challenged soils</li> </ul>	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
<b>RS 33FX15</b>	3.3	<ul style="list-style-type: none"> <li>Plant style and defensive package allows broad adaptability</li> <li>Medium Tall with excellent standability</li> <li>Has the looks and performance to be a favorite</li> </ul>	FX	8	8	MT	Gray	Brown	Buff	8	Medium Bush	8	9	9	8	9	9	Rps1c	8	R3, MR14	N/A	R	7	7
<b>RS 35FX81</b>	3.5	<ul style="list-style-type: none"> <li>Rps1a plus medium plant height gives great versatility for all soil types</li> </ul>	FX	9	8	M	Gray	Brown	Imperfect Black		Medium Bush	9	9	8	8	8	9	Rps1a	7	R	N/A	8	8	N/A
<b>RS 23EL34</b>	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	9	8	MT	Gray	Tan	Buff	8	Intermediate Bush	9	9	8	8	9	9	Rps1k	7	R3, MR14	8	R	7	N/A
<b>RS 25EL24</b>	2.5	<ul style="list-style-type: none"> <li>Clean look at maturity</li> <li>Big yields, broad acres</li> </ul>	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
<b>RS 26EL80</b>	2.6	<ul style="list-style-type: none"> <li>Good plant height and standability, big plus for Peking line</li> <li>Quite eye catching</li> </ul>	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
<b>RS 28EL98</b>	2.8	<ul style="list-style-type: none"> <li>A "must try" line</li> <li>All about Yield</li> <li>Really good under stress</li> </ul>	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
<b>RS 31EL00</b>	3.1	<ul style="list-style-type: none"> <li>Big and rugged yielder</li> <li>Good north/south movement</li> <li>Handles stress really well</li> </ul>	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
<b>RS 34EL59</b>	3.4	<ul style="list-style-type: none"> <li>Really clean looking line</li> <li>Medium Tall with excellent standability</li> <li>Great defensive package</li> </ul>	E3	8	8	MT	Lt. Tawny	Brown	Black	9	Medium Bush	9	9	9	9	9	9	Rps1k	7	R3, MR14	N/A	R	7	7
<b>RS 38EL09</b>	3.8	<ul style="list-style-type: none"> <li>Yield Leader with multiple season of performance</li> <li>Great combination of plant height and standability</li> <li>Outstanding disease package</li> </ul>	E3	9	8	MT	Gray	Brown	Buff	8	Intermediate Bush	9	9	9	9	9	9	Rps1k	8	R3, MR14	7	7	8	9
<b>RS 28XT37</b>	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
<b>RS 33XT32</b>	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
<b>V2122</b>	2.1	<ul style="list-style-type: none"> <li>Powered by Virtue.</li> <li>Very broadly adapted across a wide geography</li> <li>Brings very high yield potential, coupled with solid agronomics</li> </ul>	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 (sulfonyleurea) 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.

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"Anytime I have ever had an issue, Rupp Seeds has come out, taken a look and figured it out for me. And if they didn't know the answer, they would work on it until they did. Between that and my great relationship with my local Rupp dealer... that is why I do business with Rupp Seeds."

— Gary Ries  
Morenci, 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](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
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	
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
<b>Wheat</b>	11,250	1M-1.7M seeds/A	n/a	Sept 20-Nov 1
<b>Oats</b>	12,600	800,000-1.2M seeds/A	n/a	Feb-April
<b>Barley</b>	13,500	1.3M-1.6M seeds/A	n/a	Aug-Oct / March-April
<b>Spelt</b>	n/a	100 #/A	n/a	Sept 25-Oct
<b>Tricale</b>	n/a	100-120 #/A	n/a	Aug-Oct / Feb-April
<b>Brome</b>	135,000	15-25 #/A	8-12 #/A	Spring / Fall
<b>Teff Grass</b>		8-12 #/A	6-10 #/A	Late May-Late July
<b>Orchardgrass</b>	650,000	15-25 #/A	4-10 #/A	Spring / Fall
<b>Timothy</b>	1,230,000	8-12 #/A	2-6 #/A	Spring / Fall
<b>Forage Turnips</b>	240,000	5-7 #/A	4-6 #/A	Summer-Fall
<b>Radishes</b>	48,000	8-12 #/A	6-10 #/A	August-September
<b>Fawn Tall Fescue</b>	230,000	15-20 #/A		
<b>Gulf Annual Ryegrass</b>		12-20 #/A		
<b>Cereal Rye VNS - Cover</b>	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
<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	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	
	<p>High quality forage that has excellent early vigor.</p> <p>High leaf to stem ratio means that you can count on high protein.</p> <p>The digestibility of this hybrid has been increased by 20% due to the BMR 6 trait.</p> <p>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.</p>	<p>Excellent dryland hybrid with sweet juicy stalks. Good for dryland grazing, hay, balage, or silage.</p> <p>Reduced lignin improves fiber digestibility and palatability.</p> <p>Better nutritionally, grows off faster, has finer stems, yields better and regrows more aggressively than past varieties.</p>	<p>High yields and improved digestibility equals increased feeding efficiency.</p> <p>Excellent double cropping or short season hybrid with the ability to direct chop once.</p> <p>Requires less inputs and water than corn for the same production.</p>	<p>Expected Nutrition Benefits: Crude Protein: 15-20%, ADF: 35-40%, TDF: 50-60%, NDF: 50-55%</p> <p>Summer planted forage of BMR Sorghum Sudangrass, soybeans, and forage peas.</p> <p>High in lysine and protein yet low in lignin.</p> <p>40-50# of N/Acre</p>	<p>A true spring oat with dark green foliage, an erect growth habit, and very good standability.</p> <p>Extraordinary biomass accumulation.</p> <p>Has a compact panicle that offers an attractive product when baled.</p>
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.

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**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 contain 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.

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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.

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