

A MESSAGE FROM THE PRESIDENT

It is truly a fascinating time to be in the seed industry! The 2019 class of soybeans promises to be the best yet and I am so excited about some of the soybean weed control options that are or will be coming to the market soon. Your bottom line is directly going to be impacted by weed resistance and you need the right varieties on your farm and not simply one trait. DF is also leading the way in Michigan on choosing Non-GMO genetics that are adapted to our state and have the potential to be used by processors to get you a grain premium and increase your profitability.

The 2019 Product Guide has 21 soybean and 6 wheat varieties in it. We are on the cutting edge and we will be able to offer Michigan growers a full array of innovative trait choices selected specifically for the Great Lakes State microclimate. We are testing numerous new Enlist E3™ and LibertyLink® GT27™ varieties at multiple locations throughout Michigan. When these new traits gain import approval overseas we will be adding them to our line-up. We will have Technical Information Sheets available on each variety and will be sharing them as a supplement to this product guide. With all the new and existing traits here is a breakdown on them:

Enlist E3*: The Enlist weed control system builds on the current glyphosate and glufosinate herbicide systems and trait technology. Enlist E3 soybeans combine tolerance to a new 2, 4-D herbicide formulation plus currently available herbicides. Enlist One™ and Enlist Duo® herbicide with Colex-D® technology provide proven performance of a new 2, 4-D choline to get better results in Enlist soybeans.

LibertyLink® GT27™*: LibertyLink® GT27™ soybeans offer triple stack tolerance to Liberty, glyphosate, and, pending EPA approval, the first HPPD based herbicide for soybeans. Use of HPPD herbicides on this product is prohibited, pending EPA approval.

Roundup Ready 2 Xtend®: Featuring dicamba plus glyphosate tolerance from Monsanto. You must complete an approved training and have an RUP license to use the herbicides containing dicamba and glyphosate (Xtendimax® with Vapor Grip™, Engenia® or FeXapan®).

Roundup Ready 2 Yield®: Herbicide programs can include conventional, residual herbicides pre-emergence or post-emergence. Glyphosate herbicides can be used to control weeds post-emergence.

LibertyLink®: Herbicide programs can include conventional, residual herbicides pre-emergence or post-emergence. Glufosinate herbicides can be used to control weeds post-emergence.

Non-GMO: Only conventional herbicides can be used either pre-emergence or post-emergence.

We want to see you succeed. We don't need billboards and a large advertising budget to grow great seed. We spend our time and money investing in research and quality genetics. We look forward to partnering with you in 2019. Thank you for your business.

*Pending regulatory approval

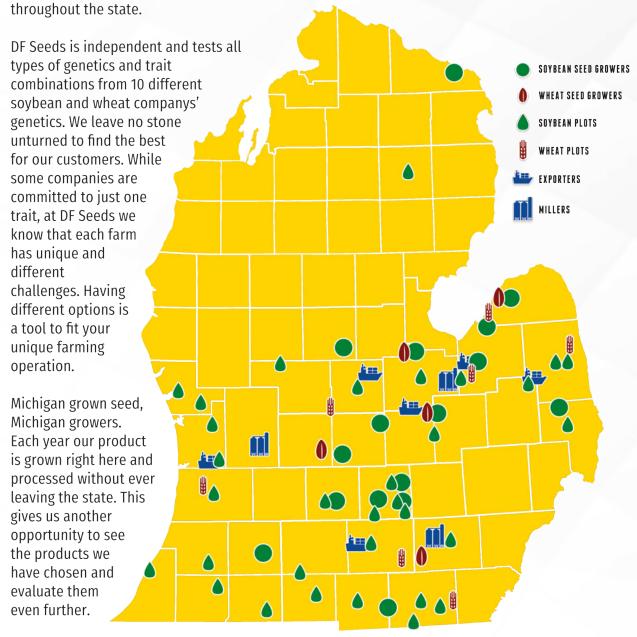




MICHIGAN PROVEN MICHIGAN GROWN EXPORTED TO THE WORLD

We know Michigan. We know soybeans and wheat.

As a Michigan seed company, we also know that we have a unique climate in this Great Lakes State. DF Seeds takes great pride in testing every genetic trait option for Michigan growers. There is very limited testing done by the genetics companies in Michigan. That is the reason John Diehl began the Best of the Best testing. We not only have one of the largest variety trials and one of the only muck soils variety trial, but we also have our own disease evaluation trial. All of this is done by DF Seeds to know more about the soybeans we sell to Michigan farmers. We support the Michigan State University variety testing program to evaluate any new genetics in a variety of Michigan locations. We also have the support of our dealers to place variety comparisons



SOYBEAN VARIETIES

	Variety	Maturity	SCN	SCN Type	Plant Type	Plant Height	Hilum Color	Flower	Emergence Rating	Lodging	Phytophthora Root Rot Field Tolerance	White Mold	Sudden Death Syndrome	Brown Stem Rot
	DF 5108 N R2Y	1.0	Resistant	PI88788	Medium	Medium	Brown	Purple	1.1	1.2	1.3	1.4	2.0	NR
	DF 5173 N R2Y	1.7	Resistant	PI88788	Medium	Medium	Black	Purple	2.0	1.0	2.1	2.2	2.2	2.3
	DF 9171 N LL	1.7	Resistant	PI88788	Bush	Short	Black	Purple	1.0	2.1	1.6	2.0	1.5	2.0
	DF 187 N	1.8	Resistant	PI88788	Medium	Med-Tall	Clear	Purple	1.3	1.4	1.8	1.8	1.8	NR
	DF 5193 N R2Y	1.9	Resistant	PI88788	Medium	Tall	Black	Purple	1.5	2.0	2.2	1.5	2.5	2.2
	DF 7217 N X R2Y	2.1	Resistant	PI88788	Bush	Medium	Black	Purple	1.5	2.1	2.1	2.5	2.1	1.5
NEW!	DF 6218 N GT PLUS	2.1	Resistant	PI88788	Bush	Medium	Black	White	1.0	1.7	1.7	1.9	1.8	NR
	DF 227 N	2.2	Resistant	PI88788	Medium	Medium	Brown	Purple/White	1.0	1.6	1.8	1.5	2.0	1.5
	DF 5227 N R2Y	2.2	Resistant	PI88788	Medium	Medium	Imp. Black	Purple	1.6	1.8	1.8	2.2	2.0	1.0
	DF 9232 N LL	2.3	Resistant	PI88788	Bush	Medium	Brown	Purple	1.0	1.9	1.7	1.4	2.0	1.7
Available Organically	DF 155 F	2.5	Susceptible	None	Medium	Tall	Clear	Purple	1.2	1.5	1.3	0.8	1.3	1.8
Exclusive Contract	Lily*	2.5	Susceptible	None	Medium	Medium	Clear	Purple	1.2	1.5	1.3	0.8	1.3	1.8
Exclusive Contract	Jackson F*	2.5	Susceptible	None	Medium	Medium	Clear	Purple	1.2	1.5	1.3	0.8	1.3	1.8
	DF 9251 N LL	2.5	Resistant	PI88788	Medium	Medium	Brown	Purple	1.0	1.4	1.7	2.0	2.5	1.8
	DF 5252 N R2Y	2.5	Resistant	PI88788	Medium	Medium	Imp. Black	Purple	1.0	3.0	1.3	2.5	1.4	1.0
NEW!	DF 6268 N GT PLUS	2.6	Resistant	PI88788	Bush	Med-Short	Black	Purple	1.0	1.8	1.8	2.0	1.8	1.5
	DF 9263 N LL	2.6	Resistant	PI88788	Medium	Medium	Black	Purple	1.0	1.0	1.8	1.8	1.8	1.7
	DF 278 N	2.7	Resistant	PI88788	Thin	Medium	Black	White	1.0	2.3	1.8	1.5	2.0	1.5
	DF 9278 N LL	2.7	Resistant	PI88788	Medium	Med-Short	Black	Purple	1.0	1.2	1.8	2.2	1.9	1.7
	DF 7296 N X R2Y	2.9	Resistant	PI88788	Medium	Med-Tall	Black	Purple	1.6	2.4	1.8	1.7	1.5	1.5
	DF 317 N	3.1	Resistant	PI88788	Medium	Medium	Black	Purple	1.2	1.2	1.5	1.2	1.5	1.5

CHARACTERISTIC CHART KEY

SCALE 1-5 | 1 = BEST NR = NOT RATED | N = SCN RESISTANCE | F= FOOD GRADE *EXCLUSIVE END USE CONTRACT REQUIRED

RESISTANT FIELD TOLERANT SUSCEPTIBLE

<10% INFECTED PLANTS <30% INFECTED PLANTS >30% INFECTED PLANTS

NON-GMO SOYBEANS

Conventional herbicides. Premium markets available.

DF 187 N

1.8 RM



- » Clear hilum, high protein, with great yield
- » Soybean Cyst Nematode resistance and great plant health
- » Easy to harvest

LODGING	1.4
VIFI D	13

PLANT TYPE

Medium

PLANT HEIGHT

Med-Tall

DF	227	N

2.2 RM



- » Must plant Non-GMO variety
- » Defensive variety with Soybean Cyst Nematode protection
- » Has IDC, Phytophthora Root Rot, and Brown Stem Rot resistance

LODGING	1.6	
YIFI D		1.0
TILLU		1.0

PLANT TYPE

Medium

PLANT HEIGHT

Medium

DF 155 F

2.5 RM



- » Identity preserved product for premium food grade markets
- » Great emergence
- » Yield with best White Mold resistance for Non-GMO in this maturity

LODGING	1.5	
YIELD		1.0

PLANT TYPE

Medium

PLANT HEIGHT

Tall

DF 278 N

2.7 RM



- » Only variety over 90 bushels in 2017 MSU trials
- » Excellent emergence
- » Great looking soybean

LODGING	2.3
VIELD	

YIELD 1.0

PLANT TYPE

Thin

PLANT HEIGHT

Medium

DF 317 N

3.1 RM

non GMO

- » Pure yield
- » Best Non-GMO option for Southern Michigan growers
- » Soybean Cyst Nematode resistance

LODGING	1.2
YIELD	1.0

PLANT TYPE

Medium

PLANT HEIGHT

Medium

DF Seeds does more than grow and sell seed. Each year we meet with soybean exporters to discuss their needs. We know that our customers need to have a profitable market to sell their soybeans. By meeting the need of the end use customer in our product selection, DF Seeds is adding profitability to the farmer's bottom line.



SOYBEAN VARIETIES

LIBERTYLINK® SOYBEANS

LIBERTYLINK® SOYBEANS

Liberty® herbicide post-emergence may be used alone or in combination with conventional herbicides.

DF 9171 N LL

1.7 RM



- » Superior yield for maturity
- » Top foliar disease package, works well on soys-after-soys
- » Great early vigor

LODGING 2.1

YIELD 1.8

PLANT TYPE

Bush

PLANT HEIGHT

Short

DF 9232 N LL

2.3 RM



- » Best LibertyLink® Soybean in Michigan
- » Great results in the 2017 Central MSU trials
- » Solid disease package including excellent White Mold resistance

LODGING	1.9
YIELD	1.0

PLANT TYPE

Bush

PLANT HEIGHT

Medium

DF 9251 N LL

2.5 RM



- » Yields best in your best soils
- » Best choice for irrigated fields
- » Adapts to any row width

LODGING	1.4
YIELD	1.1

PLANT TYPE

Medium

PLANT HEIGHT

Medium

DF 9263 N LL

2.6 RM



- » Yields well in multiple field environments
- » Best defensive variety of LibertyLink® Soybeans
- » Excellent standability

LODGING		1.0
YIELD	1.5	

PLANT TYPE

Medium

PLANT HEIGHT

Medium

DF 9278 N LL

2.7 RM



- » Likes high yield environments
- » Attractive plant with good standability
- » Soybean Cyst Nematode and very good Brown Stem Rot resistance

LODGING	1.2
YIELD	1.1

PLANT TYPE

Medium

PLANT HEIGHT

Med-Short

DFender SEED TREATMENT

DFender seed treatment is the high-quality seed treatment of DF Seeds. We provide the best combination of seedling protection that Michigan farmers need on their soybeans. DFender will include the fungicides and insecticides that are needed in Michigan. DFender includes a polymer to reduce dust-off to minimize the environmental impact of important seed treatments and also maintain the flowability of your seed without impacting germination. DFender can also be used in combination with other soybean cyst nematode treatments and inoculants.

DF Seeds offers 100% free replant on all soybean seed treated with DFender seed treatment.

GENUITY® ROUNDUP READY 2 YIELD® SOYBEANS/GT PLUS

Roundup herbicide post-emergence may be used alone or in combination with conventional herbicides.

ROUNDUP READY 2 XTEND® SOYBEANS

XtendiMax® herbicide with VaporGrip® technology, Engenia®, or Fexapan® herbicides may be used alone or in combination with conventional herbicides.

DF 5108 N R2Y

1.0 RM



- » Top yield in all yield environments
- » Solid stress package
- » Soybean Cyst Nematode resistance and strong Phytophthora protection

LODGING	1.2
YIELD	1:

PLANT TYPE

Medium

PLANT HEIGHT

Medium

DF 5173 N R2Y

1.7 RM



- » Next step in yield for maturity
- » Top yield in the 2014 MSU Central Trial
- » Great defensive package

LODGING	1.0
YIELD	1.0



PLANT TYPE

Medium

PLANT HEIGHT

Medium

DF 5193 N R2Y

1.9 RM



- » Consistent leader in yield for its maturity
- » Plant this variety anywhere, especially variable soils
- » Great emergence

LODGING	2.0	
YIELD		1.0

PLANT TYPE

Medium

PLANT HEIGHT

Tall

DF 7217 N X R2Y

2.1 RM



- » Offensive variety with solid defensive package
- » Top yielding variety in the thumb area
- » Solid soybean from emergence to harvest

LODGING 2.1

YIELD

PLANT TYPE

Bush

PLANT HEIGHT

Medium

DF **6218 N GT PLUS** 2.1 RM

- » Must try new genetics with top end yield
- » Plant early with excellent emergence
- » Soybean Cyst Nematode and Sudden Death Syndrome tolerance and works well after corn

LODGING	1.7	
YIELD		1.0

PLANT TYPE

Bush

PLANT HEIGHT

Medium

DF 5227 N R2Y

2.2 RM

1.1



- » Best 2016-2017 MSU Central Trials average yield
- » Great yield stability with Soybean Cyst Nematode protection
- » Top average yield 2016-17 MSU Central Trial

LODGING 1.8

YIELD 1.0

PLANT TYPE

Medium

PLANT HEIGHT

Medium

DF 5252 N R2Y

2.5 RM



- » Defensive variety with Soybean Cyst Nematode resistance
- » Manage this soybean for early planting and harvest for best results
- » Handles marginal soils well

LODGING 3.0
YIELD 1.5

PLANT TYPE

Medium

PLANT HEIGHT

Medium

1

WWW.DFSEEDS.COM // 517.623.6161

SOYBEAN VARIETIES

X R2Y & GT PLUS SOYBEANS AND LEGAL

DF 6268 N GT PLUS 2.6 RM

- » Must try new genetics
- » Consistent top yield in 3 years of testing
- » Great defensive package and works well after corn

LODGING	1.8
YIELD	1.



DF 7296 N X R2Y

2.9 RM



- » Adapts to a wide range of production areas
- » Reliable yield from this defensive soybean
- » Upright, branching soybean

LODGING	2.4	
YIELD		1.0

PLANT TYPE

Medium

PLANT HEIGHT

Med-Tall

LEGAL INFORMATION

Soybean 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 Genuity® Roundup Ready 2 Yield® soybeans, Roundup Ready 2 Xtend® soybeans, Genuity® Roundup Ready® spring canola, and Genuity® Roundup Ready® winter canola. 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

Monsanto Company is a member of Excellence Through Stewardship® (ETS). Monsanto products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Monsanto's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. Certain 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. Growers should refer to http://www.biotradestatus.com/ for any updated information on import country approvals. Excellence Through Stewardship® is a registered trademark of Biotechnology Industry Organization.

ALWAYS READ AND FOLLOW DIRECTIONS FOR USE ON PESTICIDE LABELING.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. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USES AND APPROVED FOR SUCH USE IN THE STATE OF APPLICATION. IN CROP USES MAY NOT BE APPROVED IN ALL STATES. 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.

Roundup Ready 2 Xtend® soybeans contains genes that confer tolerance to glyphosate and dicamba. Glyphosate will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. Contact your Monsanto dealer or refer to Monsanto's Technology Use Guide for recommended weed control programs.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready® technology contains genes that confer tolerance to glyphosate, an active ingredient in Roundup® brand agricultural herbicides. Agricultural herbicides containing glyphosate will kill crops that are not tolerant to glyphosate.

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 Xtend®, Genuity®, Roundup Ready 2 Yield®, Roundup®, Roundup Ready®, VaporGrip®, and XtendiMax® are trademarks of Monsanto Technology LLC.

LibertyLink® Patent Statement: 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 Bayer 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.

LibertyLink GT27 is not tolerant to all HPPD herbicides. HPPD herbicides currently on the market are prohibited for use with LibertyLink GT27 soybeans and may result in significant crop injury. Always read and follow label directions. Liberty and LibertyLink are registered trademarks of Bayer. GT27 is a trademark of MS Technologies and Bayer. MS Technologies is a trademark of MS Technologies, LLC. ©2018 Bayer / MS Technologies, LLC. All Rights Reserved. APN 18-INT-0014

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WE LEARNED HOW TO TREAT PEOPLE IN SUNDAY SCHOOL.





You can learn a lot in college, but you can learn even more from life. Like how to treat people with dignity and respect. How to deliver on your promises, even when that means going the extra mile to do so. And how to help your customers make the right agronomic decisions for the long-term health of their operations.

If these qualities sound like the ones you want in a seed company, please visit www.ipseed.org to find the IPSA member nearest you.

WHEAT VARIETIES

RED WHEAT PRODUCTS

DF 105 R	Early RM
» Pure yield, perfect for intensive wheat management	
» Yields in all environments	PLANT HEIGHT
» Tolerance to several diseases	Short-Med
YIELD 1.0	HEAD TYPE
TEST WEIGHT 3.0	Awned
STANDABILITY 2.0	

DF 109 R		Late RM							
» Defensive variety with excellent disease tolerance									
» Excellent winter hardiness		PLANT HEIGHT							
» High straw yield		Medium							
		HEAD TYPE							
YIELD	1.0								
TEST WEIGHT 2.0		Awnless							
STANDABILITY 3.0									

DF 112 R	Mid-Late RM
» YIELD! MSU Red Wheat Trials Top Performer, 2014-2017)
» Top straw yield	PLANT HEIGHT
» Excellent winter hardiness	Medium
YIELD	1.0 HEAD TYPE
TIELD	Awned
TEST WEIGHT 2.0	Awrieu
STANDABILITY 2.0	

DF 118 R Mid-Late RM » MSU Trials Top Performer in 2017 red wheat NEW! » Better standability than DF 112 R PLANT HEIGHT » Better test weight and good on head scab Medium **HEAD TYPE** 1.0 YIELD Awned **TEST WEIGHT** 2.0 **STANDABILITY** 1.5

	Variety	Grain Color	Relative Maturity	Head Type	Plant Height	Yield	Test Weight	Standability	Milling Quality	Straw Strength	Winter Hardiness	Fusarium Head Scab	Leaf Rust	Stripe Rust	Septoria Glume Blotch	Septoria Leaf Blotch	Powdery Mildew	Barley Yellow Dwarf	Spindle Streak Mosaic Virus
	DF 105 R	Red	Early	Awned	Short-Med	1.0	3.0	2.0	1.0	2.0	1.0	2.0	1.0	1.0	1.0	3.0	2.0	1.0	1.0
	DF 109 R	Red	Late	Awnless	Medium	1.0	2.0	3.0	2.0	2.0	1.0	1.0	2.0	1.0	1.0	1.0	3.0	2.0	2.0
	DF 112 R	Red	Mid- Late	Awned	Medium	1.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0
!	DF 118 R	Red	Mid- Late	Awned	Medium	1.0	2.0	1.5	N/A	2.0	1.0	1.5	1.5	N/A	N/A	N/A	N/A	N/A	N/A

NEW!

WHEAT VARIETIES

WHITE WHEAT PRODUCTS

Ambassador	Early RM
» Top Performer in MSU white wheat yield trials, 2014-2017	
» Unbeatable under intensive management	PLANT HEIGHT
» High quality straw	Short-Med
YIELD 1.0	HEAD TYPE
TEST WEIGHT 2.0	Awnless
STANDARII ITV 10	

DF 218 W		Med Early RM
» Top Yield like Amabas White Wheat trials	NEW!	
» Gains test weight and	head scab tolerance.	PLANT HEIGHT
		Short-Med
YIELD	1.0	HEAD TYPE
TEST WEIGHT	1.0	Awnletted
STANDABILITY	1.5	

DFender SEED TREATMENT

DFender seed treatment is the high-quality seed treatment of DF Seeds. We provide the best combination of seedling protection that Michigan farmers need on their wheat. DFender will include the fungicides and insecticides that are needed in Michigan. DFender includes a polymer to reduce dust-off to minimize the environmental impact of important seed treatments and also maintain the flowability of your seed without impacting germination.

DF Seeds believes all wheat should be managed for the greatest yield potential possible!

By planting wheat seed from DF Seeds, you can be assured that your seed is cleaned, milled, and ran over two gravity air separators to give you the highest quality, disease free seed possible.

	Variety	Grain Color	Relative Maturity	Head Type	Plant Height	Yield	Test Weight	Standability	Milling Quality	Straw Strength	Winter Hardiness	Fusarium Head Scab	Leaf Rust	Stripe Rust	Septoria Glume Blotch	Septoria Leaf Blotch	Powdery Mildew	Barley Yellow Dwarf	Spindle Streak Mosaic Virus	
	Ambassador	White	Early	Awnless	Short-Med	1.0	2.0	1.0	1.0	1.0	2.0	3.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	
NEW!	DF 218 W	White	Med Early	Awnletted	Short-Med	1.0	1.0	1.5	N/A	1.5	2.0	1.5	1.5	N/A	N/A	N/A	N/A	N/A	N/A	

DF SEEDS

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MICHIGAN PROVEN MICHIGAN GROWN
EXPORTED TO THE WORLD