



# PV1700X

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 7/13/2020, 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.\*

<u>Flower Color</u>	Purple	<u>Relative Maturity</u>	1.7	<u>Standability</u>		<u>Soybean Cyst Nematode (SCN)</u>	
<u>Pub. Color</u>	Light Tawny	<u>Plant Height</u>	Medium-Tall	<u>Brown Stem Rot</u>	MR	<u>Phytophthora Field Tolerance</u>	
<u>Pod Color</u>	Brown	<u>Plant Structure</u>	Bush 2.5	<u>White Mold (SWM)</u>		<u>Phytophthora Gene</u>	1c
<u>Hilum Color</u>	Black	<u>Emergence</u>		<u>SDS</u>		<u>Iron Deficiency Chlorosis (IDC)</u>	

## FIELD & AGRONOMIC NOTES

- Stable across yield environments
- Tall plant with good standability
- Keep out of historic heavy pressure white mold fields
- Very good PFT to allow movement into prairie pot hole fields and no till environments with side hill seep
- Excellent IDC score for tougher soils

2019 OVERALL PERFORMANCE DATA			
PV VARIETY	COMPETITIVE VARIETY	DEVIATION/SIGNIFICANCE	PV WIN PERCENTAGE
PV1700X	P19A14X		
60.8	60.4	+0.4	55%

\*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 7/13/2020, 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.

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. 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.

Roundup Ready 2 Xtend® soybeans contain 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 seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.



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 7/13/2020, 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.\*

<u>Flower Color</u>	Purple	<u>Relative Maturity</u>	2.1	<u>Standability</u>		<u>Soybean Cyst Nematode (SCN)</u>	
<u>Pub. Color</u>	Gray	<u>Plant Height</u>	Medium	<u>Brown Stem Rot</u>	MR	<u>Phytophthora Field Tolerance</u>	
<u>Pod Color</u>	Tan	<u>Plant Structure</u>	Full Bush 3.0	<u>White Mold (SWM)</u>		<u>Phytophthora Gene</u>	1c
<u>Hilum Color</u>	Imperfect Black	<u>Emergence</u>		<u>SDS</u>		<u>Iron Deficiency Chlorosis (IDC)</u>	

## FIELD & AGRONOMIC NOTES

- Solid performance in NE & SD
- Above average white mold tolerance
- Medium height plant with good standability
- IDC - keep off of historic hot IDC fields

## 2019 OVERALL PERFORMANCE DATA

PV VARIETY	COMPETITIVE VARIETY	DEVIATION/SIGNIFICANCE	PV WIN PERCENTAGE
PV2100X	P22T24X		
62.1	59.0	+3.1	50%

\*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 7/13/2020, 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.

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. 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.

Roundup Ready 2 Xtend® soybeans contain 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 seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.



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 7/13/2020, 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.\*

<u>Flower Color</u>	Purple	<u>Relative Maturity</u>	2.1	<u>Standability</u>		<u>Soybean Cyst Nematode (SCN)</u>	
<u>Pub. Color</u>	Light Tawny	<u>Plant Height</u>	Medium-Tall	<u>Brown Stem Rot</u>	MR	<u>Phytophthora Field Tolerance</u>	
<u>Pod Color</u>	Brown	<u>Plant Structure</u>	Full Bush 3.0	<u>White Mold (SWM)</u>		<u>Phytophthora Gene</u>	1c
<u>Hilum Color</u>	Black	<u>Emergence</u>		<u>SDS</u>		<u>Iron Deficiency Chlorosis (IDC)</u>	

## FIELD & AGRONOMIC NOTES

- Stable across yield environments
- Moves West - good stress tolerance
- Strong yielder but will lean some
- Maintains yield on tough acres
- IDC - very good
- MT plant
- SDS - very good

## 2019 OVERALL PERFORMANCE DATA

PV VARIETY	COMPETITIVE VARIETY	DEVIATION/SIGNIFICANCE	PV WIN PERCENTAGE
PV2119X	P21A28X		
68.5	65.6	+2.9	66%

\*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 7/13/2020, 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.

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. 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.

Roundup Ready 2 Xtend® soybeans contain 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 seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.





# PV2220XF

**NEW**

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 7/13/2020, 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.\*

<u>Flower Color</u>	Purple	<u>Relative Maturity</u>	2.2	<u>Standability</u>		<u>Soybean Cyst Nematode (SCN)</u>	
<u>Pub. Color</u>	Gray	<u>Plant Height</u>	Medium+	<u>Brown Stem Rot</u>	S	<u>Phytophthora Field Tolerance</u>	N/A
<u>Pod Color</u>	Brown	<u>Plant Structure</u>	Full Bush 3.0	<u>White Mold (SWM)</u>		<u>Phytophthora Gene</u>	1c
<u>Hilum Color</u>	Imperfect Black	<u>Emergence</u>		<u>SDS</u>		<u>Iron Deficiency Chlorosis (IDC)</u>	

## FIELD & AGRONOMIC NOTES

- Adapted to no till
- Good agronomics including SDS and SWM
- Medium-tall semi-bush plant
- Consistent yield across all tillage practices

2019 OVERALL PERFORMANCE DATA			
PV VARIETY	COMPETITIVE VARIETY	DEVIATION/SIGNIFICANCE	PV WIN PERCENTAGE
PV2220XF	P22T24X		
56.1	53.5	+2.6	100%

\*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 7/13/2020, 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.

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. 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.

Roundup Ready 2 Xtend® soybeans contain 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 seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.



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 7/13/2020, 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.\*

<u>Flower Color</u>	Purple	<u>Relative Maturity</u>	2.4	<u>Standability</u>		<u>Soybean Cyst Nematode (SCN)</u>	
<u>Pub. Color</u>	Light Tawny	<u>Plant Height</u>	Medium+	<u>Brown Stem Rot</u>	R	<u>Phytophthora Field Tolerance</u>	
<u>Pod Color</u>	Tan	<u>Plant Structure</u>	Full Bush 3.0	<u>White Mold (SWM)</u>		<u>Phytophthora Gene</u>	NG
<u>Hilum Color</u>	Black	<u>Emergence</u>		<u>SDS</u>		<u>Iron Deficiency Chlorosis (IDC)</u>	

## FIELD & AGRONOMIC NOTES

- Dominant across tests and regions in 2018-2019 data
- Stable across yield environments
- Standability will be good in the west
- Excellent early growth and health
- Medium Height
- Above average standability
- IDC - very good

## 2019 OVERALL PERFORMANCE DATA

PV VARIETY	COMPETITIVE VARIETY	DEVIATION/SIGNIFICANCE	PV WIN PERCENTAGE
PV2419X	P24A99X		
60.0	54.6	+5.9	100%

\*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 7/13/2020, 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.

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. 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.

Roundup Ready 2 Xtend® soybeans contain 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 seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.



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 7/13/2020, 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.\*

<u>Flower Color</u>	Purple	<u>Relative Maturity</u>	2.6	<u>Standability</u>		<u>Soybean Cyst Nematode (SCN)</u>	
<u>Pub. Color</u>	Gray	<u>Plant Height</u>	Medium+	<u>Brown Stem Rot</u>	R	<u>Phytophthora Field Tolerance</u>	N/A
<u>Pod Color</u>	Tan	<u>Plant Structure</u>	Full Bush 3.5	<u>White Mold (SWM)</u>	N/A	<u>Phytophthora Gene</u>	1c
<u>Hilum Color</u>	Gray	<u>Emergence</u>		<u>SDS</u>	N/A	<u>Iron Deficiency Chlorosis (IDC)</u>	

**FIELD & AGRONOMIC NOTES**

- Medium-tall semi-bush plant
- Average white mold tolerance
- Consistent performance across yield environments
- Above average standability

**2019 OVERALL PERFORMANCE DATA**

PV VARIETY	COMPETITIVE VARIETY	DEVIATION/SIGNIFICANCE	PV WIN PERCENTAGE
PV2620XF	S27-M8X		
47.2	45.2	+2.0	66%

\*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 7/13/2020, 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.

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. 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.

Roundup Ready 2 Xtend® soybeans contain 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 seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.



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 7/13/2020, 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.\*

<u>Flower Color</u>	Purple	<u>Relative Maturity</u>	2.8	<u>Standability</u>		<u>Soybean Cyst Nematode (SCN)</u>	
<u>Pub. Color</u>	Gray	<u>Plant Height</u>	Medium-Tall	<u>Brown Stem Rot</u>	MR	<u>Phytophthora Field Tolerance</u>	
<u>Pod Color</u>	Brown	<u>Plant Structure</u>	Full Bush 3.0	<u>White Mold (SWM)</u>		<u>Phytophthora Gene</u>	1c
<u>Hilum Color</u>	Imperfect Black	<u>Emergence</u>		<u>SDS</u>		<u>Iron Deficiency Chlorosis (IDC)</u>	

## FIELD & AGRONOMIC NOTES

- Topped multiple tests and breakouts in 2018-2019
- Stable across yield environments
- Widely adapted across soil types and cropping practices
- MT plant, Standability very good
- SDS - very good
- Responds well to high yield environments
- Solid dryland choice

2019 OVERALL PERFORMANCE DATA			
PV VARIETY	COMPETITIVE VARIETY	DEVIATION/SIGNIFICANCE	PV WIN PERCENTAGE
PV2819X	P31A22X		
61.4	60.3	+1.1	58%

\*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 7/13/2020, 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.

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. 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.

Roundup Ready 2 Xtend® soybeans contain 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 seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.



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 7/13/2020, 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.\*

<u>Flower Color</u>	Purple	<u>Relative Maturity</u>	3.0	<u>Standability</u>		<u>Soybean Cyst Nematode (SCN)</u>	
<u>Pub. Color</u>	Light Tawny	<u>Plant Height</u>	Medium+	<u>Brown Stem Rot</u>	MR	<u>Phytophthora Field Tolerance</u>	
<u>Pod Color</u>	Brown	<u>Plant Structure</u>	Full Bush 3.0	<u>White Mold (SWM)</u>	N/A	<u>Phytophthora Gene</u>	1c
<u>Hilum Color</u>	Black	<u>Emergence</u>		<u>SDS</u>		<u>Iron Deficiency Chlorosis (IDC)</u>	

**FIELD & AGRONOMIC NOTES**

- Above average SDS and BSR
- Good across variable soils and cropping practices
- Caution in historical white mold areas
- Medium-tall plant with good standability

2019 OVERALL PERFORMANCE DATA			
PV VARIETY	COMPETITIVE VARIETY	DEVIATION/SIGNIFICANCE	PV WIN PERCENTAGE
PV2920XF	P27T47R		
61.8	54.5	+6.3	79%

\*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 7/13/2020, 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.

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. 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.

Roundup Ready 2 Xtend® soybeans contain 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 seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.





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 7/13/2020, 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.\*

<u>Flower Color</u>	Purple	<u>Relative Maturity</u>	3.3	<u>Standability</u>		<u>Soybean Cyst Nematode (SCN)</u>	
<u>Pub. Color</u>	Gray	<u>Plant Height</u>	Medium+	<u>Brown Stem Rot</u>	MR	<u>Phytophthora Field Tolerance</u>	
<u>Pod Color</u>	Brown	<u>Plant Structure</u>	Full Bush 3.5	<u>White Mold (SWM)</u>	N/A	<u>Phytophthora Gene</u>	1c
<u>Hilum Color</u>	Imperfect Black	<u>Emergence</u>		<u>SDS</u>		<u>Iron Deficiency Chlorosis (IDC)</u>	

## FIELD & AGRONOMIC NOTES

- Solid across yield environment
- Standability - very good
- Excellent across NE, KS and western IA
- IDC - very good
- SDS - above average
- Will respond to fungicide if Frogeye is present
- Recommended for both dryland and irrigated

## 2019 OVERALL PERFORMANCE DATA

PV VARIETY	COMPETITIVE VARIETY	DEVIATION/SIGNIFICANCE	PV WIN PERCENTAGE
PV3319X	P33T19X		
68.7	61.1	+7.6	87%

\*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 7/13/2020, 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.

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. 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.

Roundup Ready 2 Xtend® soybeans contain 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 seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.



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 7/13/2020, 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.\*

<u>Flower Color</u>	Purple	<u>Relative Maturity</u>	3.4	<u>Standability</u>		<u>Soybean Cyst Nematode (SCN)</u>	
<u>Pub. Color</u>	Gray	<u>Plant Height</u>	Medium-Tall	<u>Brown Stem Rot</u>	MR	<u>Phytophthora Field Tolerance</u>	
<u>Pod Color</u>	Brown	<u>Plant Structure</u>	Full Bush 3.0	<u>White Mold (SWM)</u>	N/A	<u>Phytophthora Gene</u>	1c
<u>Hilum Color</u>	Imperfect Black	<u>Emergence</u>		<u>SDS</u>		<u>Iron Deficiency Chlorosis (IDC)</u>	

## FIELD & AGRONOMIC NOTES

- Tough acre bean
- Excellent standability along with a taller plant structure for soil type adaptability
- SDS very good, nice package
- IDC is a watch out
- Excluder
- Above average Frogeye score
- Will respond to fungicide
- Resistant to stem canker

## 2019 OVERALL PERFORMANCE DATA

PV VARIETY	COMPETITIVE VARIETY	DEVIATION/SIGNIFICANCE	PV WIN PERCENTAGE
PV3400X	P33T19X		
64.0	61.1	+2.9	62%

\*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 7/13/2020, 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.

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. 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.

Roundup Ready 2 Xtend® soybeans contain 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 seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.



# PRAIRIE VALLEY

# PV3519X

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 7/13/2020, 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.\*

<u>Flower Color</u>	Purple	<u>Relative Maturity</u>	3.5	<u>Standability</u>		<u>Soybean Cyst Nematode (SCN)</u>	
<u>Pub. Color</u>	Gray	<u>Plant Height</u>	Medium	<u>Brown Stem Rot</u>	MR	<u>Phytophthora Field Tolerance</u>	
<u>Pod Color</u>	Brown	<u>Plant Structure</u>	Full Bush 3.5	<u>White Mold (SWM)</u>	N/A	<u>Phytophthora Gene</u>	1c
<u>Hilum Color</u>	Imperfect Black	<u>Emergence</u>		<u>SDS</u>		<u>Iron Deficiency Chlorosis (IDC)</u>	N/A

## FIELD & AGRONOMIC NOTES

- Very good consistent product - solid
- Widely adapted across soil types and cropping practices
- Caution on historic IDC fields
- Standability very good
- SDS - very good
- Resistant to stem canker

## 2019 OVERALL PERFORMANCE DATA

PV VARIETY	COMPETITIVE VARIETY	DEVIATION/SIGNIFICANCE	PV WIN PERCENTAGE
PV3519X	P34T07R2		
65.2	65.0	+0.2	60%

\*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 7/13/2020, 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.

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. 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.

Roundup Ready 2 Xtend® soybeans contain 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 seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.



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 7/13/2020, 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.\*

<b>Flower Color</b>	White	<b>Relative Maturity</b>	3.6	<b>Standability</b>		<b>Soybean Cyst Nematode (SCN)</b>	
<b>Pub. Color</b>	Gray	<b>Plant Height</b>	Medium-Tall	<b>Brown Stem Rot</b>	R	<b>Phytophthora Field Tolerance</b>	
<b>Pod Color</b>	Brown	<b>Plant Structure</b>	Full Bush 3.0	<b>White Mold (SWM)</b>	N/A	<b>Phytophthora Gene</b>	1c
<b>Hilum Color</b>	Buff	<b>Emergence</b>		<b>SDS</b>	N/A	<b>Iron Deficiency Chlorosis (IDC)</b>	

## FIELD & AGRONOMIC NOTES

- Widely adapted across varying soil and cropping practices
- Yields Excel > 55 bu environments
- Good irrigated - top end yield
- MT, Standability very good
- Do not place in historic high IDC areas
- Excellent Frogeye tolerance
- Resistant to stem canker
- Excluder

## 2019 OVERALL PERFORMANCE DATA

PV VARIETY	COMPETITIVE VARIETY	DEVIATION/SIGNIFICANCE	PV WIN PERCENTAGE
PV3619X	P38A98X		
63.4	60.4	+3.0	70%

\*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 7/13/2020, 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.

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. 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.

Roundup Ready 2 Xtend® soybeans contain 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 seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.



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 7/13/2020, 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.\*

<u>Flower Color</u>	Purple	<u>Relative Maturity</u>	3.6	<u>Standability</u>		<u>Soybean Cyst Nematode (SCN)</u>	
<u>Pub. Color</u>	Gray	<u>Plant Height</u>	Medium+	<u>Brown Stem Rot</u>	R	<u>Phytophthora Field Tolerance</u>	
<u>Pod Color</u>	Brown	<u>Plant Structure</u>	Full Bush 3.0	<u>White Mold (SWM)</u>	N/A	<u>Phytophthora Gene</u>	1c
<u>Hilum Color</u>	Imperfect Black	<u>Emergence</u>		<u>SDS</u>		<u>Iron Deficiency Chlorosis (IDC)</u>	

**FIELD & AGRONOMIC NOTES**

- Resistant to stem canker
- Adapted to no till
- Footprint southern NE, KS
- Caution on historic IDC fields until we get more data
- Medium-tall bush plant with great standability

2019 OVERALL PERFORMANCE DATA			
PV VARIETY	COMPETITIVE VARIETY	DEVIATION/SIGNIFICANCE	PV WIN PERCENTAGE
PV3620XF	P33T19X		
59.8	57.5	+2.3	76%

\*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 7/13/2020, 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.

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. 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.

Roundup Ready 2 Xtend® soybeans contain 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 seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.



**PRAIRIE  
VALLEY**

**PV3720SX**

**NEW**

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 7/13/2020, 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.\*

<u>Flower Color</u>	White	<u>Relative Maturity</u>	3.7	<u>Standability</u>		<u>Soybean Cyst Nematode (SCN)</u>	
<u>Pub. Color</u>	Light Tawny	<u>Plant Height</u>	Medium+	<u>Brown Stem Rot</u>	N/A	<u>Phytophthora Field Tolerance</u>	
<u>Pod Color</u>	Brown	<u>Plant Structure</u>	Full Bush 3.5	<u>White Mold (SWM)</u>		<u>Phytophthora Gene</u>	1c
<u>Hilum Color</u>	Black	<u>Emergence</u>		<u>SDS</u>		<u>Iron Deficiency Chlorosis (IDC)</u>	

## FIELD & AGRONOMIC NOTES

- Excellent stress variety for high heat and humidity
- STS tolerance
- Excluder
- Best Frogeye score in the PV line-up
- Medium-tall bush plant with very good standability

## 2019 OVERALL PERFORMANCE DATA

PV VARIETY	COMPETITIVE VARIETY	DEVIATION/SIGNIFICANCE	PV WIN PERCENTAGE
PV3720SX	P38A98X		
61.3	59.1	+2.2	62%

\*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 7/13/2020, 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.

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. 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.

Roundup Ready 2 Xtend® soybeans contain 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 seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.

**ROUNDUP READY 2  
XTEND  
SOYBEANS**

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 7/13/2020, 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.\*

<u>Flower Color</u>	Purple	<u>Relative Maturity</u>	3.8	<u>Standability</u>		<u>Soybean Cyst Nematode (SCN)</u>	
<u>Pub. Color</u>	Gray	<u>Plant Height</u>	Medium-Tall	<u>Brown Stem Rot</u>	MR	<u>Phytophthora Field Tolerance</u>	
<u>Pod Color</u>	Tan	<u>Plant Structure</u>	Full Bush 3.5	<u>White Mold (SWM)</u>	N/A	<u>Phytophthora Gene</u>	1c
<u>Hilum Color</u>	Imperfect Black	<u>Emergence</u>		<u>SDS</u>		<u>Iron Deficiency Chlorosis (IDC)</u>	N/A

## FIELD & AGRONOMIC NOTES

- Tough Acre Play - Clay soils
- Good stress bean
- Works best in < 60-65 bu/ac yield environment
- Keep out of historic IDC areas until we get more data
- Tough acre it will stand very good
- Branches
- SDS - very good

## 2019 OVERALL PERFORMANCE DATA

PV VARIETY	COMPETITIVE VARIETY	DEVIATION/SIGNIFICANCE	PV WIN PERCENTAGE
PV3819X	P38A98X		
60.6	58.7	+1.9	66%

\*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 7/13/2020, 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.

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. 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.

Roundup Ready 2 Xtend® soybeans contain 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 seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.



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 7/13/2020, 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.\*

<u>Flower Color</u>	Purple	<u>Relative Maturity</u>	3.9	<u>Standability</u>		<u>Soybean Cyst Nematode (SCN)</u>	
<u>Pub. Color</u>	Gray	<u>Plant Height</u>	Medium-Tall	<u>Brown Stem Rot</u>	N/A	<u>Phytophthora Field Tolerance</u>	
<u>Pod Color</u>	Tan	<u>Plant Structure</u>	Full Bush 3.5	<u>White Mold (SWM)</u>		<u>Phytophthora Gene</u>	NG
<u>Hilum Color</u>	Imperfect Black	<u>Emergence</u>		<u>SDS</u>		<u>Iron Deficiency Chlorosis (IDC)</u>	N/A

## FIELD & AGRONOMIC NOTES

- Solid performer in KS high plains area
- Very consistent product - solid
- Standability very good
- Really branches up creating a wide line through harvest
- No gene for PRP, and still displays good PRP tolerance
- SDS - very good
- Very good Frogeye tolerance
- Resistant to stem canker

## 2019 OVERALL PERFORMANCE DATA

PV VARIETY	COMPETITIVE VARIETY	DEVIATION/SIGNIFICANCE	PV WIN PERCENTAGE
PV3919X	P40T84X		
62.1	57.4	+4.7	83%

\*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 7/13/2020, 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.

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. 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.

Roundup Ready 2 Xtend® soybeans contain 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 seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.







**PV3920XF**

**NEW**

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 7/13/2020, 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.\*

<u>Flower Color</u>	Purple	<u>Relative Maturity</u>	3.9	<u>Standability</u>		<u>Soybean Cyst Nematode (SCN)</u>	
<u>Pub. Color</u>	Gray	<u>Plant Height</u>	Tall	<u>Brown Stem Rot</u>	N/A	<u>Phytophthora Field Tolerance</u>	
<u>Pod Color</u>	Tan	<u>Plant Structure</u>	Full Bush 3.0	<u>White Mold (SWM)</u>	N/A	<u>Phytophthora Gene</u>	1c
<u>Hilum Color</u>	Imperfect Black	<u>Emergence</u>		<u>SDS</u>	N/A	<u>Iron Deficiency Chlorosis (IDC)</u>	N/A

**FIELD & AGRONOMIC NOTES**

- Good performance in KS
- Resistant to stem canker
- Average no till adaptability
- Tall plant, caution on irrigated acres

2019 OVERALL PERFORMANCE DATA			
PV VARIETY	COMPETITIVE VARIETY	DEVIATION/SIGNIFICANCE	PV WIN PERCENTAGE
PV3920XF	P40T84X		
46.1	43.1	+3.0	75%

\*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 7/13/2020, 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.

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. 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.

Roundup Ready 2 Xtend® soybeans contain 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 seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.

