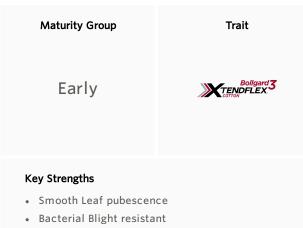
DP 2012 B3XF BRAND





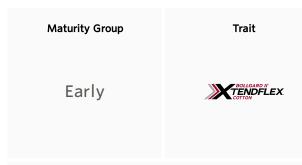
- Moderately Tolerant to Verticillium
- Responsive to plant growth regulator applications
- Strong Terminal growth responds to irrigation

AGRONOMIC	CHARACTERISTICS
Adicontonine	CHARACTERISTICS

STORM RESISTANCE	3.5
STAPLE	37.5
MICRONAIRE	4.2
STRENGTH	29.8
LENGTH UNIF.	82.6
VERTICILLIUM WILT	MOD. TOL.
BACTERIAL BLIGHT	RES.
# FRT NODES	8.8
FUSARIUM	NO VALUE SET
LINT %	40.7
SEED SIZE	4700 - 5100
LEAF TYPE St	
PLANT HEIGHT	MED-TALL
IRRIGATED	*
DRYLAND	•

DP 1612 B2XF BRAND





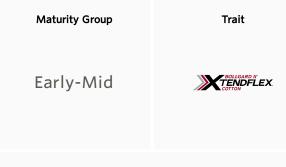
Key Strengths

- Easy to manage and responsive to plant growth regulators
- Early maturity Bollgard II[®] XtendFlex[®] cotton variety
- Excellent fiber length and strength
- Best fit in short season environments

Notes

STORM RESISTANCE	6	
STAPLE	36.6	
MICRONAIRE	4.3	
STRENGTH	30.3	
LENGTH UNIF.	81.9	
VERTICILLIUM WILT	susc	
BACTERIAL BLIGHT	MOD. SUSC.**	
# FRT NODES	8.6	
FUSARIUM	MR	
LINT %	36.9	
SEED SIZE	4250	
LEAF TYPE	LT. HAIRY	
PLANT HEIGHT	MED	
IRRIGATED	*	
DRYLAND	*	

DP 1522 B2XF BRAND



Key Strengths

- May require timely plant growth regulator management under vigorous growing conditions.
- Broadly adapted best fit on limited water in West Texas

Notes

STORM RESISTANCE	5		
STAPLE	36.3		
MICRONAIRE	4.3		
STRENGTH	29.8		
LENGTH UNIF.	81.8		
VERTICILLIUM WILT	MOD. SUSC		
BACTERIAL BLIGHT	SUSC		
# FRT NODES	7.6		
FUSARIUM	5		
LINT %	37.9		
SEED SIZE	4700 - 5300		
LEAF TYPE	SEMI SMOOTH		
PLANT HEIGHT	MEDIUM - TALL		
IRRIGATED	Đ		
DRYLAND	*		



DP 1820 B3XF BRAND

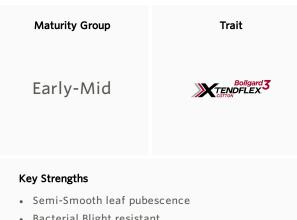


Maturity Group Trait Early-Mid Early-Construction Key Strengths • Widely adapted and excellent yield potential in

- Widely adapted and excellent yield potential i West Texas
- Excellent Fiber quality / Staple length
- Bacterial Blight resistant
- Very responsive to plant growth regulator management

STORM RESISTANCE	3.5
STAPLE	39
MICRONAIRE	4.1
STRENGTH	30.6
LENGTH UNIF.	81.7
VERTICILLIUM WILT	MOD
BACTERIAL BLIGHT	RES.
# FRT NODES	11.3
FUSARIUM	MS
LINT %	40.7
SEED SIZE	5000
LEAF TYPE	SEMI-SMOOTH
PLANT HEIGHT	MED TALL
IRRIGATED	*
DRYLAND	\$

DP 2020 B3XF BRAND



- Bacterial Blight resistant
- Moderately Tolerant to Verticillium
- Strong performance across a range of yield environments

Notes

STORM RESISTANCE	3.5		
STAPLE	37.7		
MICRONAIRE	4.3		
STRENGTH	30.3		
LENGTH UNIF.	82.6		
VERTICILLIUM WILT	MOD. TOL.		
BACTERIAL BLIGHT	RES.		
# FRT NODES	9.1		
FUSARIUM	NO VALUE SET		
LINT %	40.4		
SEED SIZE	4850 - 5300		
LEAF TYPE	SEMI-SMOOTH		
PLANT HEIGHT	MED-TALL		
IRRIGATED	*		
DRYLAND	0		



DP 2022 B3XF BRAND



• Best fit in Northern High Plains

Δ	GRON	OMIC	CHAR	ACTER	ISTICS
~	GRON	OWINC	CHAR		131103

STORM RESISTANCE	3.5
STAPLE	36.8
MICRONAIRE	3.9
STRENGTH	29.3
LENGTH UNIF.	81.8
VERTICILLIUM WILT	TOL.
BACTERIAL BLIGHT	RES.
# FRT NODES	9.2
FUSARIUM	NO VALUE SET
LINT %	36.1
SEED SIZE	4300 - 4800
LEAF TYPE	SEMI-SMOOTH
PLANT HEIGHT	MED
IRRIGATED	*
DRYLAND	*

DP 1822 XF BRAND

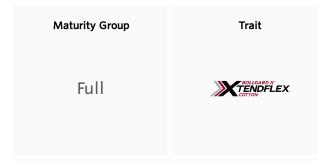
Notes



Ма	turity Group	Trait	AGRO
Wid		nait	STOR
			STAP
Ea	rly-Mid	COTTON	MICR
			STRE
			LENG
K 6			VERT
•	rengths		васт
		ring mid to late season	# FRT
	y good fiber length a	0	
	erage seed size of ap pound	proximately 4,800 seed	FUSA
• Fits	tough acre		LINT
			SEED

STORM RESISTANCE	3
STAPLE	38
MICRONAIRE	4.3
STRENGTH	30.4
LENGTH UNIF.	81.8
VERTICILLIUM WILT	MOD
BACTERIAL BLIGHT	RES.
# FRT NODES	11.4
FUSARIUM	N/A
LINT %	37.9
SEED SIZE	4000
LEAF TYPE	SEMI-SMOOTH
PLANT HEIGHT	MED TO MED TALL
IRRIGATED	*
DRYLAND	*

DP 1549 B2XF BRAND



Key Strengths

- Full season variety, manage closely with plant growth regulator with irrigation or strong growing conditions.
- Excellent heat tolerance
- Has shown excellent performance under dryland and limited water situations

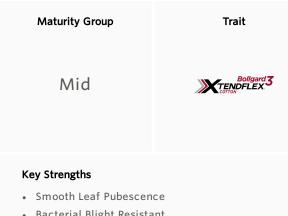
Notes

STORM RESISTANCE	4	
STAPLE	36	
MICRONAIRE	3.9	
STRENGTH	30	
LENGTH UNIF.	80.7	
VERTICILLIUM WILT	MOD. TOL.	
BACTERIAL BLIGHT	SUSC.	
# FRT NODES	7.9	
FUSARIUM	MR	
LINT %	37.7	
SEED SIZE	5200-5800	
LEAF TYPE	SEMI-SMOOTH	
PLANT HEIGHT	Т	
IRRIGATED	\$	
DRYLAND	*	



DP 2038 B3XF BRAND





- Bacterial Blight Resistant
- Reponsive to irrigation and high yield environments
- Boll Type tends to be loose

STORM RESISTANCE	6
STAPLE	35.6
MICRONAIRE	4.4
STRENGTH	29.8
LENGTH UNIF.	81.5
VERTICILLIUM WILT	MOD. SUSC.
BACTERIAL BLIGHT	RES.
# FRT NODES	9.2
FUSARIUM	NO VALUE SET
LINT %	44.6
SEED SIZE	5400 - 5900
LEAF TYPE	SMOOTH
PLANT HEIGHT	TALL
IRRIGATED	*
DRYLAND	\diamond

DP 1845 B3XF BRAND



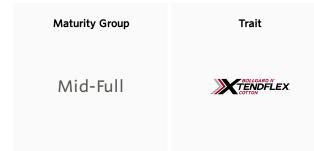
Maturity GroupTraitMid-FullImage: Companies of the second seco

• Moderately Responsive to plant growth regulator applications

Notes

STORM RESISTANCE	4
STAPLE	39.5
MICRONAIRE	3.8
STRENGTH	30.1
LENGTH UNIF.	81.5
VERTICILLIUM WILT	MOD
BACTERIAL BLIGHT	RES.
# FRT NODES	11.2
FUSARIUM	SUSC.
LINT %	40.3
SEED SIZE	5900
LEAF TYPE	SEMI-SMOOTH
PLANT HEIGHT	MED
IRRIGATED	*
DRYLAND	*

DP 1646 B2XF BRAND



Key Strengths

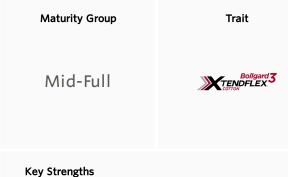
- Has shown strong performance across a range of environments, but best fiber length can be attained with limited stress.
- Outstanding combination of yield potential and fiber quality
- Potential fiber length up to 40 staple and typically holds relative staple advantage in stressed environments.
- Timely mepiquat allows to be managed for earlier maturity

Notes

STORM RESISTANCE	5
STAPLE	38.4
MICRONAIRE	4.1
STRENGTH	29.2
LENGTH UNIF.	81.5
VERTICILLIUM WILT	MOD. SUSC.
BACTERIAL BLIGHT	MOD. RES.*
# FRT NODES	12.7
FUSARIUM	MS
LINT %	39.5
SEED SIZE	5900
LEAF TYPE	SMOOTH
PLANT HEIGHT	MED TALL
IRRIGATED	*
DRYLAND	*



DP 2044 B3XF BRAND



- Bacterial Blight Resistant
- Large seed size and very good emergence vigor
- Best fit on limited water or dryand situations
- Excellent fiber length and strength

Notes

STORM RESISTANCE	4.5
STAPLE	38.8
MICRONAIRE	3.6
STRENGTH	32.5
LENGTH UNIF.	80.9
VERTICILLIUM WILT	MOD. SUSC.
BACTERIAL BLIGHT	RES.
# FRT NODES	9.6
FUSARIUM	NO VALUE SET
LINT %	37.9
SEED SIZE	4100 - 4600
LEAF TYPE	SEMI-SMOOTH
PLANT HEIGHT	MED
IRRIGATED	*
DRYLAND	*



DP 1909 XF BRAND



Maturity Group	Trait
Very Early to Early	Corrow

Key Strengths

- Earlier companion variety for DP 1822 XF
- Very Early to Early Maturity to fit in Texas Panhandle to Oklahoma and Kansas markets
- Excellent Fiber Properties
- Bacterial Blight resistant

Notes

STORM RESISTANCE	
STAPLE	
MICRONAIRE	
STRENGTH	
LENGTH UNIF.	
VERTICILLIUM WILT	

5

38.2

3.6

31.2 82.9

MS

RES.

11.2

MR

37.2

4,900

*

*

SMOOTH

MED-TALL

AGRONOMIC CHARACTERISTICS

BACTERIAL BLIGHT

FRT NODES

FUSARIUM

LINT %

SEED SIZE

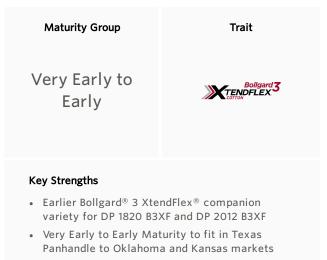
LEAF TYPE

IRRIGATED

DRYLAND

PLANT HEIGHT

DP 1908 B3XF BRAND



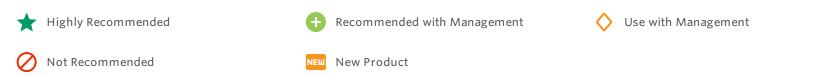
- Excellent Fiber Properties
- Bacterial Blight resistant

Notes

STORM RESISTANCE	4
STAPLE	38.4
MICRONAIRE	3.4
STRENGTH	31.6
LENGTH UNIF.	82.6
VERTICILLIUM WILT	MS
BACTERIAL BLIGHT	RES.
# FRT NODES	10.8
FUSARIUM	MR
LINT %	36.6
SEED SIZE	4,500
LEAF TYPE	SMOOTH
PLANT HEIGHT	MED-TALL
IRRIGATED	*
DRYLAND	\diamond



LOCAL KEY RATINGS



LEGEND

Rating Scale

The first two numbers in our cotton naming system signify the year of commercialization, and the second two numbers indicate maturity based on the following scale:

10-19 = Early; 20-29 = Early-mid; 30-39 = Mid; 40-49 = Mid-full; 50-59 = Full

Storm Resistance

1 = Tight, stripper-like boll; 9 = Loose boll

Disease Ratings

1 = Excellent; 9 = Poor; — Not Available

Mid-South/Southeast Region

Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, Missouri, North Carolina, Tennessee, Virginia

DeltaPine Cotton RF = Roundup Ready® Flex cotton, B2RF = Bollgard II® with Roundup Ready® Flex cotton, B2XF = Bollgard II® XtendFlex® cotton, B3XF = Bollgard® 3 XtendFlex® cotton, XF = XtendFlex® cotton

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. This product has been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. It is a violation of federal and state law to use any pesticide product other than in accordance with its labeling. NOT ALL formulations of dicamba, glyphosate or glufosinate are approved for in-crop use with cotton 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 cotton 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.

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.

Cotton with XtendFlex[®] Technology contains genes that confer tolerance to glyphosate, glufosinate and dicamba. Glyphosate will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. G lufosinate will kill crops that are not tolerant to glufosinate. Contact your seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.

Insect control technology provided by Vip3A is utilized under license from Syngenta Crop Protection AG. Bollgard II®, Bollgard®, Deltapine®, Respect the Refuge and Cotton Design®, Roundup Ready®, and XtendFlex® are registered trademarks of Bayer Group. LibertyLink® and the Water Droplet Design® is a trademark of BASF Corporation. ©2019 Bayer Group. All rights reserved.