



## 2014 VIRGINIA BOLLGARD II XTENDFLEX VARIETY TRIAL

### Coordinators

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### Lint yield and fiber quality of commercially available cotton varieties and experimental lines of Bollgard II XtendFlex tested in 2014 in Suffolk, VA.

Seed Company	Variety	Lint Yield	Lint	Fiber Properties			
		lb./A	%	Mic.	Len. (in.)	Str. (g/tex)	Uni. (%)
Bayer CropScience	ST 4946 GLB2	1670.6	40.8	4.5	1.12	31.5	82.9
Dyna-Gro	DG 3385 B2XF*	1568.4	44.0	4.6	1.14	30.4	83.2
Dow AgroSciences	PHY 199 WRF	1540.0	43.6	4.5	1.11	33.6	83.2
Croplan	CP 3475 B2XF*	1451.6	41.5	4.4	1.11	31.3	82.8
Monsanto	DP 0912 B2RF	1413.7	41.0	4.7	1.10	30.6	82.8
Monsanto	DP 1518 B2XF*	1409.8	43.7	4.2	1.16	30.8	82.5
Monsanto	14R913B2R2	1401.2	41.5	4.3	1.13	32.4	83.1
Monsanto	DP 1311 B2RF	1382.2	42.5	4.2	1.12	30.7	82.5
Monsanto	DP 1522 B2XF*	1369.6	41.7	4.6	1.11	31.9	83.2
Americot/NexGen	NG 3406 B2XF*	1349.1	42.4	4.4	1.11	30.0	82.2
Monsanto	14R935B2XF	1329.2	42.7	4.6	1.08	31.7	82.2
Monsanto	14R934B2XF	1296.3	41.7	4.6	1.11	31.3	83.1
Monsanto	DP 1538 B2XF*	1103.6	43.6	4.6	1.10	29.8	82.5
	<b>Mean</b>	1406.7	42.3	4.5	1.11	31.2	82.9
	<b>LSD (0.1)</b>	144.89	1.64	0.19	0.017	1.57	0.74

\*Bollgard II XtendFlex varieties to be released in 2015.

## 2014 Agronomic Inputs for Location

(Rates on a per acre basis)

<b>Planted:</b>	May 19, 2014
<b>Harvested:</b>	Dec. 1, 2014
<b>Population:</b>	43,560 plants/acre
<b>Fertilizer:</b>	330 lbs. 6-16-39 Preplant Broadcast on Apr. 22, 2014 40 units 24-0-0-3 and 1 qt. Boron dribbled between rows on Jun. 19, 2014 40 units 24-0-0-3 and 1 qt. Boron dribbled between rows on Jun. 28, 2014
<b>PGR:</b>	8 oz. Pentia <sup>®</sup> on Jul. 14, 2014 16 oz. Pentia <sup>®</sup> on Jul. 29, 2014
<b>Herbicide:</b>	1 qt. Touchdown <sup>®</sup> on Apr. 22, 2014 1.5 pt. Acumen <sup>®</sup> and 1 qt. Cotoran <sup>®</sup> on May 19, 2014 22 oz. Touchdown <sup>®</sup> on May 20, 2014 22 oz. Touchdown <sup>®</sup> on Jun. 3, 2014
<b>Insecticide:</b>	8 oz. Orthene <sup>®</sup> on Jun. 3, 2014 6 oz. Brigade <sup>®</sup> on Jul. 29, 2014 2 oz. Baythroid <sup>®</sup> and 2 oz. Belt <sup>®</sup> on Aug. 15, 2014
<b>Harvest Aid:</b>	1 qt. Finish 6 Pro <sup>®</sup> , 1 pt. SuperBoll <sup>®</sup> , 10 oz. Folex <sup>®</sup> , 3 oz. Dropp <sup>®</sup> on Oct. 25, 2014
<b>Plot Size:</b>	2 rows 40' x 36" 4 replications
<b>Soil Type</b>	Dragston, Emporia and Eunola
<b>Cooperator:</b>	Robert Ashburn, Karl Jones