

Location	Suffolk (Tidewater AREC)
Soil Type	Lynchburg fine sandy loam
Row Spacing (in.)	15"
Cultivation Type	No Till
Planting Dates	June 28, 2024
Harvest Dates	MG 4E: Nov 7, 2024 MG 4L: Nov 7, 2024 MG 5E: Nov 7, 2024 MG 5L: Nov 8, 2024
Rows Planted/ Rows Harvested	6 planted/ 4 harvested
Harvested Row Length	15-17 (each plot measured)
Fertilization	1/18/24 10-37-27
In-Season Applications	6/28/24 16oz/A Roundup Promax 16oz/A Liberty 8oz/A Authority First 14.8oz/A Medal SC 1.6oz/A Dyne-amic 7/9/24 16oz/A Clethodim 14.8oz/A Medal SC 1.6oz/A Dyne-amic 7/23/24 16oz/A Tapout 16oz/A Basagran 1.6oz/A Dyne-amic 8/22/24 5.5oz/A Lucento 8/29/24 6.4oz/A Bifenture 9/26/24 11.3oz/A Steward
Rainfall (in.)	May: 5.67 June: 3.19 July: 7.62 Aug: 5.94 Sept: 5.82 Oct: 0.37

The experimental design was a randomized complete block design with three replications per site. Outliers were identified as any data point which exceeded 1.5 times the interquartile range and were removed from the analysis. Due to the number of entries, varieties were separated and tested by relative maturity group categories. To facilitate field operations and to allow for more accurate comparison, maturity group IV and V varieties were separated into early (RM 4.0-4.6; 5.0- 5.4) and late (RM 4.7-4.9; 5.5-5.9) relative maturity tests. Data were subjected to analysis of variance and means were separated with Fisher's Protected LSD test ($P = 0.05$).

Preliminary performance of double crop early maturity group 4 entries at Suffolk, VA.

Brand	Variety	Herbicide	MG	Height	Lodging	PSS	Seed Quality	Seed Size	Yield
NK	NK42-A6E3S	E3 / STS	4.2	33.7	1.0	0.3	2.0	18.5	72.9
Revere	44-F44	XF / STS	4.4	36.5	1.0	0.0	2.0	18.1	69.2
NK	NK43-W1XFS	XF / STS	4.3	33.3	1.0	0.0	2.0	16.7	65.5
Virginia Tech	V18-3866	Conv	4.1	38.0	3.3	0.0	2.0	14.6	59.8
Virginia Tech	V20-1478R2DI	RR2Y	4.2	35.7	2.0	0.0	2.0	15.7	59.4
Revere	39-F94	XF / STS	3.9	31.3	1.0	0.0	2.0	16.3	59.3
Virginia Tech	V19-0064DT	Conv	4.2	38.3	2.7	0.0	2.0	14.7	58.9
Virginia Tech	V18-2720R2	RR	4.3	38.7	3.3	0.0	2.0	14.9	56.1
Pioneer	P38A28E	E3	3.7	33.3	1.3	0.0	2.0	16.6	51.8
Perdue	P41MO21	Conv	4.1	33.7	2.7	0.0	2.0	16.3	45.1
Grand Mean				35.2	2.0	0.0	2.0	16.2	59.5
CV				0.1	0.6	5.4	0.0	0.1	0.1
LSD P<0.05				3.9	1.1	0.3	--	0.8	5.5

Preliminary performance of double crop late maturity group 4 entries at Suffolk, VA.

Brand	Variety	Herbicide	MG	Height	Lodging	PSS	Seed Quality	Seed Size	Yield
Pioneer	P48A14E	E3	4.8	39.3	1.0	0.0	2.0	16.1	73.1
Revere	4826XFS	XF / STS	4.8	35.0	1.0	0.0	2.0	18.0	69.7
USG	7485ETS	E3,STS	4.8	37.7	2.7	0.0	2.0	15.4	69.3
Asgrow	AG47XF5	XF / STS	4.7	39.0	1.5	0.0	1.5	17.5	68.8
NK	NK47-G5E3S	E3 / STS	4.7	37.7	2.0	0.0	2.0	15.6	68.6
Asgrow	AG48XF5	XF / STS	4.8	38.0	1.0	0.0	2.0	18.4	68.3
Revere	49-F36	XF / STS	4.9	40.0	1.7	0.0	2.0	17.6	67.9
NK	NK49-N7XF	XF	4.9	34.0	1.0	0.0	2.0	16.4	67.3
USG	7483XFS	XF,STS	4.8	33.3	1.0	0.0	2.0	15.6	66.1
Asgrow	AG49XF3	XF	4.9	41.3	2.0	0.0	2.0	15.6	66.0
Channel	4821RFX/SR	XF	4.8	40.0	1.0	0.0	2.0	18.0	65.3
Revere	48-F72	XF	4.8	33.3	1.0	0.0	2.0	16.8	64.9
USG	7474XFS	XF,STS	4.7	36.0	1.3	0.0	2.0	17.9	64.4
Revere	46-F57	XF / STS	4.6	39.3	1.7	0.0	2.0	17.2	63.6
USG	7494ETS	E3,STS	4.9	37.7	2.3	0.0	2.0	15.6	60.7
USG	7495XFS	XF,STS	4.9	39.0	2.7	0.0	2.0	15.8	59.4
Revere	45-F92	XF / STS	4.0	35.0	3.0	0.0	1.0	16.9	58.6
Virginia Tech	V18-4246R	RR	4.9	41.0	1.3	0.0	2.0	15.7	57.5
Virginia Tech	V18-3788	Conv	4.5	37.7	2.0	0.0	2.0	14.3	56.7
Revere	45-F92	XF / STS	4.5	38.5	3.0	0.0	1.5	16.4	56.5
Perdue	P48MO21	Conv	4.8	32.3	5.0	0.0	2.0	13.5	54.7
Virginia Tech	V18-3081HP	Conv	4.7	37.0	1.7	0.0	2.0	17.5	54.6
Virginia Tech	V17-2447R	RR	4.9	32.0	2.0	0.0	2.0	13.6	50.1
Grand Mean				37.1	1.8	0.0	2.0	16.3	63.2
CV				0.1	0.6		0.1	0.1	0.1
LSD P<0.05				6.8	1.1	--	0.3	0.7	7.7

Preliminary performance of double crop early maturity group 5 entries at Suffolk, VA.

Brand	Variety	Herbicide	MG	Height	Lodging	PSS	Seed Quality	Seed Size	Yield
USG	7543XF	XF	5.4	37.0	1.3	0.3	2.0	15.2	66.4
Revere	51-F31	XF	5.1	34.3	1.7	0.0	1.0	15.0	65.1
Growmark	HS 50F40	XF	5.0	33.0	1.0	0.0	1.0	15.9	64.6
Channel	5024RXF	XF	5.0	40.0	1.0	0.0	1.0	18.0	61.9
Growmark	HS 48E40	E3	5.0	35.5	1.0	0.0	2.0	15.5	61.3
Virginia Tech	V19-0546	Conv	5.3	36.0	1.0	0.0	2.0	13.5	59.4
Revere	53-F84	XF / STS	5.3	34.5	1.0	0.0	1.0	13.9	58.3
Catalyst	CT5293E3	E3	5.2	35.5	1.0	0.0	1.0	15.6	56.9
Virginia Tech	V19-1626	Conv	5.1	40.0	2.7	0.0	1.0	15.1	55.1
Virginia Tech	V19-1453STS	Conv	5.4	38.0	4.0	0.0	1.3	19.8	51.8
USG	7534GT	RR	5.3	44.5	1.0	0.0	1.0	16.6	51.3
USG	7524ET	E3	5.2	42.0	1.0	0.0	1.0	14.1	45.8
Grand Mean				37.2	1.6	0.0	1.3	15.7	58.7
CV				0.1	0.7	5.2	0.4	0.1	0.1
LSD P<0.05				6.3	1.0	0.5	0.5	1.8	10.8

Preliminary performance of double crop late maturity group 5 entries at Suffolk, VA.

Brand	Variety	Herbicide	MG	Height	Lodging	PSS	Seed Quality	Seed Size	Yield
Virginia Tech	V19-0861	Conv	5.6	37.0	1.3	0.0	1.3	14.0	66.1
Virginia Tech	V18-1255	Conv	5.5	34.3	1.0	0.0	1.3	16.2	65.4
Revere	5735XFS	XF / STS	5.7	35.3	1.0	0.0	1.0	17.4	62.4
Virginia Tech	V19-1409RR	RR	5.6	39.0	1.0	0.0	1.0	14.2	61.9
Virginia Tech	V19-0519	Conv	5.6	38.3	1.7	0.0	1.0	15.7	61.1
Channel	5723RXF/SR	XF	5.7	35.0	1.0	0.0	1.0	16.6	59.8
Virginia Tech	V16-1706R2	RR2Y	5.5	39.3	1.7	0.0	1.0	17.3	58.2
Southern Harvest	SH 5523 E3	E3	5.5	41.7	1.3	0.0	1.0	14.9	57.7
Perdue	P60GO21	Conv	6.0	37.0	2.0	0.0	1.0	13.2	54.3
Virginia Tech	V19-1493	Conv	5.8	39.7	1.7	0.0	1.0	13.4	53.7
Virginia Tech	V19-0496HP	Conv	5.5	35.7	4.0	0.0	1.7	16.8	52.1
Pioneer	P56A71E	E3	5.6	40.3	1.3	0.0	1.0	15.4	51.1
Southern Harvest	SH 5724 E3	E3	5.7	41.0	2.0	0.0	1.0	11.2	45.7
Grand Mean				37.9	1.6	0.0	1.1	15.3	58.2
CV				0.1	0.5		0.3	0.1	0.1
LSD P<0.05				2.8	0.7	--	0.5	0.8	8.1