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Conventional Soybean Performance Trials Summary

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2019 Conventional Soybean Performance Trials Summary

Conducted by Dr. Heather Darby and the University of Vermont Northwest Crops and Soils Program

Maturity range (000 – 2.4) of soybean varieties in Alburgh, VT

Planting Date: 05-31-2019

Harvest Date: 10-21-2019



Company	Variety	Traits†	Relative maturity	Harvest moisture	Yield at 13% moisture		Test weight
				%	lbs ac ⁻¹	bu ac ⁻¹	lbs bu ⁻¹
Dyna-Gro	S09XT50	RR2X	0.9	20.1*	2842	47.4	56.9
Dyna-Gro	S11XT78	RR2X	1.1	19.6*	4264	71.1	56.7
Dyna-Gro	S11EN40	E3	1.1	19.9*	3235	53.9	57.0
Dyna-Gro	S13XT89	RR2X	1.3	18.7	3151	52.5	56.8
Dyna-Gro	S14EN90	E3	1.4	19.9*	3856*	64.3*	57.1
Dyna-Gro	S17EN80	E3	1.7	21.0*	4075*	67.9*	58.5
Dyna-Gro	S18XT38	RR2X	1.8	22.3	3691*	61.5*	57.0
Mycogen	MY1602RX	RR2X	1.6	21.8	3980*	66.3*	56.8
Mycogen	5N206R2	RR2Y	2.0	21.3	3707*	61.8*	56.8
Mycogen	5N245R2	RR2Y	2.4	26.4	3840*	64.0*	57.4
NK-Syngenta	S09-D4X	RR2X	0.9	21.8	2989	49.8	58.3*
NK-Syngenta	S10-H7X	RR2X	1.0	19.1*	3719*	62.0*	57.3
NK-Syngenta	S14-U9X	RR2X	1.4	18.9*	3826*	63.8*	57.4
Nk-Syngenta	S14-B2X	RR2X	1.4	20.0*	3446	57.4	57.1
NK-Syngenta	S18-H3X	RR2X	1.8	21.4	3116	51.9	56.9
NK-Syngenta	S20-J5X	RR2X	2.0	21.6	3785*	63.1*	57.6
NK-Syngenta	S21-W8X	RR2X	2.1	19.8*	4193*	69.9*	57.3
Seedway, LLC	SG 1194XT	RR2X	1.1	21.2	3315	55.3	57.7*
Seedway, LLC	SG 1455E3	E3	1.4	21.0*	4251*	70.9*	57.4
Seedway, LLC	SG 1543XT	RR2X	1.5	19.0*	3523	58.7	57.6*
Seedway, LLC	SG 1780E3	E3	1.7	19.9*	3649*	60.8*	57.4
Seedway, LLC	SG 1776	RR2Y	1.7	21.7	3867*	64.5*	57.6*
Seedway, LLC	SG 1863XT	RR2X	1.8	19.2*	3729*	62.2*	57.3
Seedway, LLC	SG 2055XT	RR2X	2.0	20.6*	3580	59.7	57.2
Seedway, LLC	SG 2017E3	E3	2.0	22.7	3382	56.4	56.6
LSD (0.10)				2.50	661	11.0	0.98
Overall Mean				20.8	3641	60.7	57.2

Values in **bold** indicate the top performer for that measure; Varieties with an asterisk* performed statistically similarly to the top performer

†Traits

E3	Enlist E3™- tolerant to a new 2,4-D choline, glyphosate and glufosinate in a three-gene stack
RR2X	Roundup Ready® 2 Xtend – glyphosate and dicamba herbicide resistance stacked with the RR2Y genes
RR2Y	Roundup Ready® 2 Yield – greater yield potential with 10% more beans per pod than regular Roundup Ready® varieties

2019 Organic Soybean Performance Trials Summary

Conducted by Dr. Heather Darby and the University of Vermont Northwest Crops and Soils Program

Organic short maturity (000 – 1.8) soybean varieties in Alburgh, VT

Planting Date: 05-31-2019

Harvest Date: 10-14-2019



Company	Variety	Relative maturity	Harvest Population plants ac ⁻¹	Harvest moisture %	Yield at 13% moisture		Test weight lbs bu ⁻¹
					lbs ac ⁻¹	bu ac ⁻¹	
Blue River	07DC8	0.7	148104	12.9	3902	65.0	56.5
Blue River	08F6	0.8	132132	13.1*	3190	53.2	55.9
Blue River	12A2	1.2	152460	12.5	3163	52.7	56.4
Blue River	13P8	1.3	152460	12.5	3304	55.1	56.2
Blue River	1F44	1.4	156816	13.6*	2935	48.9	55.6
Blue River	15C6	1.5	161172	13.1*	3402	56.7	56.3
Blue River	18C7	1.8	153912	13.4*	3185	53.1	56.6
	LSD (0.10)	‡	NS	0.5	NS	NS	NS
	Overall Mean	1.2	151008	13.0	3297	55.0	56.2

Values in **bold** indicate the top performer for that measure; Varieties with an asterisk* performed statistically similarly to the top performer

NS- Not statistically significant

‡Statistical analysis was not performed on this parameter