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Conventional Soybean Performance Trials Summary

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2020 Conventional Soybean Performance Trials Summary

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

Maturity range (0 – 2.1) of soybean varieties in Alburgh, VT

Planting Date: 05-21-2020 Harvest Date: 10-15-2020



Company	Variety	Traits†	Relative maturity	Harvest moisture	Yield at 13% moisture		Test weight
				%	lbs ac ⁻¹	bu ac ⁻¹	lbs bu ⁻¹
Pioneer	P07A18X	RR2X	0.7	13.6*	3192	53.2	56.7
Pioneer	P09A62X	RR2X	0.9	13.0	4095*	68.2*	57.5
Seedway, LLC	SG 0975	RR2Y	0.9	13.2*	3949*	65.8*	56.7
Dyna-Gro	S10XT71	RR2X	1.0	13.1*	3826*	63.8*	56.2
Dyna-Gro	S11EN40	Enlist E3	1.1	13.5*	4433*	73.9*	57.6*
Seedway, LLC	SG 1194XT	RR2X	1.1	13.3*	4064*	67.7*	56.5
Local Seed Company	LSX1411E3	Enlist E3	1.4	14.1	4222*	70.4*	56.2
Dyna-Gro	S14EN90	Enlist E3	1.4	13.6*	3606	60.1	56.6
Seedway, LLC	SG 1543XT	RR2X	1.5	13.2*	3890*	64.8*	56.7
Pioneer	P16A84X	RR2X	1.6	13.9	N/A	N/A	55.3
Dyna-Gro	S17EN80	Enlist E3	1.7	13.5*	4634*	77.2*	58.7
Seedway, LLC	SG 1776	RR2Y	1.7	13.4*	3964*	66.1*	55.5
Local Seed Company	LS1887X	RR2X	1.8	13.6*	4222*	70.4*	55.5
Pioneer	P18A98X	RR2X	1.8	14.4	3235	53.9	54.8
Dyna-Gro	S18XT38	RR2X	1.8	13.5*	4893	81.6	56.6
Seedway, LLC	SG 1863XT	RR2X	1.8	13.4*	3806*	63.4*	56.5
Pioneer	P19A14X	RR2X	1.9	14.0	2765	46.1	55.8
Local Seed Company	ZS1999GL	GT/LL	1.9	13.7	3956*	65.9*	55.0
Seedway, LLC	SG 2055XT	RR2X	2.0	13.1*	4427*	73.8*	56.9
Pioneer	P21A28X	RR2X	2.1	13.9	3303	55.0	55.7
LSD (0.10)				0.689	p <0.001	p <0.001	1.07
Overall Mean				13.8	3920	65.3	56.2

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

†Traits

Enlist E3	Enlist E3™- tolerant to a new 2,4-D choline, glyphosate and glufosinate in a three-gene stack
GT/LL	Glyphosate and glufosinate herbicide resistant
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