2023 Soybean Seed Treatment Study[1]

County	Township / Sec.	Planting Date	Harvest Date	Variety	Rancona Pro	Rancona Pro + Amplify	Rancona Pro + Saltro	Seed Shield Max	Seed Shield Max + Saltro	untreated
Livingston	Pike / 6	5/19/23	11/11/23	AE 3131S	56.6	57.9	55.5			48.1
Livingston	Pike / 5	5/19/23	11/11/23	AE 3131S	66.1	64.3	63.7			62.8
Livingston	Pike / 4	5/20/23	11/11/23	AE 3131S	74.1	76.0	87.3			80.8
Livingston	Nebraska / 23	5/17/23	11/11/23	AE 3131S	65.8	71.5	66.3			67.2
AE 3131S 4 plot average				AE 3131S	65.6	67.4	68.2			64.7
Livingston	Pike / 6	5/19/23	11/11/23	AE 3310	43.0			49.3	38.3	48.0
Livingston	Pike / 5	5/19/23	11/11/23	AE 3310	56.7			54.7	51.6	53.9
Livingston	Pike / 4	5/20/23	11/11/23	AE 3310	72.6			74.2	80.8	77.5
Livingston	Nebraska / 23	5/17/23	11/11/23	AE 3310	61.4			64.2	62.8	
AE 3310 4 plot average				AE 3310	58.4			60.6	58.4	61.0
Livingston	Pike / 6	5/19/23	11/11/23	AE 3420	50.7	48.2				
Livingston	Pike / 5	5/19/23	11/11/23	AE 3420	60.5	61.5				
Livingston	Pike / 4	5/20/23	11/11/23	AE 3420	72.7	74.5				
Livingston	Nebraska / 23	5/17/23	11/11/23	AE 3420	67.0	70.6				
AE 3420 4 plot average				AE 3420	62.7	63.7				
Livingston	Pike / 6	5/19/23	11/11/23	AE 3720S	56.8	59.2	62.9			
Livingston	Pike / 5	5/19/23	11/11/23	AE 3720S	53.5	66.1	58.3			
Livingston	Pike / 4	5/20/23	11/11/23	AE 3720S	81.5	86.5	76.2			
Livingston	Nebraska / 23	5/17/23	11/11/23	AE 3720S	76.4					
AE 3720S 4 plot average				AE 3720S	67.0	72.0	67.1	73.5		
Overall average of 4 varieties[2]					**63.5**	**65.5**	**63.2**	**68.2**	**65.7**	**64.5**

[1] Lack of even emergence in the Livingston County Pike sec. 6 and Pike sec. 7 plots due to lack of moisture for germination created yield variablility. Seed treatment had little affect on yield in this study. Yield results from the different seed treatments in this study were combined when presented in the Soybean Demo 4 Plot Summary to provide more replications and reduce yield variability.

[2] Several seed treatments were not used on every variety, interpolated values were used for determing averages.