2025 Soybean Seed Treatment Study

County / Township / Section	Planting Date	Harvest Date	Variety	Rancona Pro	Rancona Pro + Amplify	Rancona Pro + Saltro	Rancona Pro + Saltro +Amplify	untreated
Livingston / Pike / 6	5/27/25	10/27/25	AE2940S	73.8	76.2			73.8
Livingston / Pike / 5	5/27/25	10/27/25	AE2940S	73.8	78.7			79.8
Livingston / Pike / 4	5/27/25	10/24/25	AE2940S	84.0	76.0			81.2
AE2940S 3 Plot Average				77.2	77.0			78.3
Livingston / Pike / 6	5/27/25	10/27/25	AE2960	61.2	67.4			
Livingston / Pike / 5	5/27/25	10/27/25	AE2960	61.2	81.0			
Livingston / Pike / 4	5/27/25	10/24/25	AE2960	84.3	81.8			
AE2960 3 Plot Average				68.9	76.7			
Livingston / Pike / 6	5/27/25	10/27/25	AE3131S	70.0	77.5	66.2	64.9	73.7
Livingston / Pike / 5	5/27/25	10/27/25	AE3131S	70.0	77.7	77.7	72.5	76.7
Livingston / Pike / 4	5/27/25	10/24/25	AE3131S	73.5	73.2	73.4	73.2	78.5
AE3131S 3 Plot Average				71.2	76.1	72.4	70.2	76.3
Livingston / Pike / 6	5/27/25	10/27/25	AE3340	62.6	65.0	63.9	69.0	
Livingston / Pike / 5	5/27/25	10/27/25	AE3340	62.6	72.4	64.0	74.8	
Livingston / Pike / 4	5/27/25	10/24/25	AE3340	73.1	67.7	73.3	75.6	
AE3340 3 Plot Average				66.1	68.4	67.1	73.1	
Livingston / Pike / 6	5/27/25	10/27/25	AE3540S	61.5	62.8	63.9		
Livingston / Pike / 5	5/27/25	10/27/25	AE3540S	61.5	69.2	67.1		
Livingston / Pike / 4	5/27/25	10/24/25	AE3540S	70.5	75.6	81.0		
AE3540S 3 Plot Average				64.5	69.2	70.7		
Livingston / Pike / 6	5/27/25	10/27/25	AE3550S	70.3	70.3			
Livingston / Pike / 5	5/27/25	10/27/25	AE3550S	70.3	74.6			
Livingston / Pike / 4	5/27/25	10/24/25	AE3550S	86.0	80.8			
AE3550S 3 Plot Average				75.5	75.2			
Livingston / Pike / 6	5/27/25	10/27/25	AE3720S	65.7	64.2	61.6		59.1
Livingston / Pike / 5	5/27/25	10/27/25	AE3720S	65.7	70.5	72.2		69.2
Livingston / Pike / 4	5/27/25	10/24/25	AE3720S	73.0	86.3	72.8		78.5
AE3720S 3 Plot Average				68.1	73.7	68.8		68.9
Overall Average of 7 Varieties[1]				**70.2**	**73.7**	**71.8**	**72.9**	**74.1**

Rancona Pro = Rancona V 100 Pro seed treatment, which is ipconazole and carboxin, plus mefenoxam (R-enantiomer of metalaxyl), and imidacloprid.

Amplify = Amplify Launch, a planter box nutrient and microbial treatment. It is 80/20 talc/graphite with the following grams of additives per 80,000 kernel unit: 6 grams zinc, 0.2 grams iron, 0.2 grams manganese, 0.02 grams Terrasym (methyltrophic microorganisms that eat carbon and in the process provide growth stimulants), several bacteria including nitrogen-fixing ones, and trichoderma fungi that work as a fungicide.

Saltro = Pydiflumetofen, fungicidal protection against sudden death syndrome, red crown rot, soybean cyst nematode, as well as other pathogens.

2025 Soybean Foliar Fungicide Study[2]

	Fungicide	No Fungicide	Average	± Untreated
AE 2750	74.9	74.4	**74.7**	0.5
AE 2960	77.4	74.5	**76.0**	3.0
AE 2940S	79.9	72.6	**76.3**	7.4
AE 3131S	79.9	72.6	**76.3**	7.4
AE 3340	74.8	65.3	**70.0**	9.5
AE 3550S	82.3	74.4	**78.4**	7.9
AE 3540S	72.3	63.4	**67.8**	8.9
AE 3720S	79.6	70.6	**75.1**	9.0
Average	**77.7**	**71.0**	**74.3**	**6.7**

[1] Some varieties were not in all the plots. Interpolated values were used for the missing data to determine the 7 Variety Average when these data were missing.

[2] Treated with 10.5 ounces of azoxystrobin and 3.2 ounces of bifenthrin with ground equipment on 8/8/2025.