

Uniform Fungicide Trial- Soybean- Landisville
 UFT_S_LV_2023



Year	2023
Location	Southeast Agricultural Research and Extension Center
Field	YS
GPS coordinates	40.121685, -76.425434
Soil type	Silt loam
Crop	Soybean
Previous crop	Corn
Variety	Xitavo XO 2832E
Seeding rate	150,000
Row space (in)	30
Reps	4
Tillage/Residue	No-till
Trial type	RCBD
Plot dimensions	10' x 25'
Herbicide	Pre: y Post: y
Foliar insecticide	n
Foliar fungicide	n
Fertilizer	n
Irrigation	n
Planting date	5/8/23
Artificial inoculations (y/n)	N/A
Inoculum type/density	N/A
Inoculation date	N/A
Rating 1 date	8/9/23
Rating 2 date	N/A
Rating 3 date	N/A
Harvest date	10/4/23

Map:

UFT_S_LV_2023



Protocol:

Trt	Product	Rate (oz/a)	Timing	Adjuvant	Rate	Spray Date
1	UTC					
2	Miravis Neo	13.7	R3	Induce	0.125%	7/26/2023
4	Trivapro	13.7	R3	Induce	0.125%	7/26/2023
6	Adastrio	7	R3	NIS	0.25% v/v	7/26/2023
7	Lucento	5	R3	NIS	0.25% v/v	7/26/2023
8	Revytek	8	R3	NIS	0.25% v/v	7/26/2023
11	Miravis Top	13.7	R3	NIS	0.25% v/v	7/26/2023
12	Lucento	5.5	R3	NIS	0.25% v/v	7/26/2023
13	Aproach Prima	6.8	R3	NIS	0.25% v/v	7/26/2023
15	Delaro Complete	8	R3	Induce 90 SL	0.12% v/v	7/26/2023

Data by plot:

Plot	Trt	Canopeo (%)	Moisture (%)	Test Weight (lb/bu)	Yield_(bu/a)
1001	6	98.33	15.6	54	77.1
1002	12	96.71	15.3	54	66.4
1003	13	96.11	15.1	54	59.8
1004	1	91.76	15.8	53	62.1
1005	15	97.72	15.9	53	60.0
1007	2	97.93	14.5	53	56.5
1008	11	95.06	14.7	54	57.6
1010	8	97.5	14.9	55	59.3
1013	7	96.79	14.7	55	58.4
1015	4	95.33	14.2	55	55.8
2001	15	98.56	15.1	55	56.8
2002	4	98.94	15.1	54	63.1
2004	12	97.74	15.6	55	50.6
2007	2	96.99	14.9	54	66.4
2008	7	98.22	14.6	55	67.1
2009	1	95.07	14.9	53	60.3
2012	8	96.83	14.4	54	49.4
2013	6	97.85	13.8	54	68.0
2014	11	99	13.7	54	73.2
2015	13	98.64	13.8	54	75.4
3002	1	94.66	14.9	55	64.1
3005	7	97.6	15.3	53	54.2
3006	2	98.04	15.8	54	56.7
3007	6	97.39	14.4	53	49.3
3008	11	97.43	14.5	55	57.5
3010	12	96.23	14.6	55	54.3
3011	4	90	14.6	54	42.4
3012	15	89.29	14.2	53	51.2
3014	8	95.09	14.3	55	47.4
3015	13	99.18	14	54	51.7
4001	8	97.42	14.8	55	62.6
4002	13	96.78	15.4	54	62.5
4003	7	98.26	15.2	54	55.6
4005	4	96.84	15	53	61.0
4006	1	96.1	14.6	55	65.0
4007	2	97.89	15	54	62.6
4008	15	97.29	14.6	54	58.1
4010	6	97.6	14.7	54	54.0
4011	12	97.63	14.3	54	45.1

4012	11	97.65	14.5	55	48.6
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Summary by treatment:

Trt	Yield_(bu/a)	Test Weight (lb/bu)	Canopeo (%)
1	62.9	54	94.3975
2	60.6	53.75	97.7125
4	55.6	54	95.2775
6	62.1	53.75	97.7925
7	58.8	54.25	97.7175
8	54.7	54.75	96.71
11	59.2	54.5	97.285
12	54.1	54.5	97.0775
13	62.4	54	97.6775
15	56.5	53.75	95.715

Discussion/Results:

There was no ratable foliar disease in the trial this year. Only plot greenness measurements were taken using the Canopeo app. There were significant differences between treatments, with Aproach Prima having the most green plots. No significant differences were found in the yields.

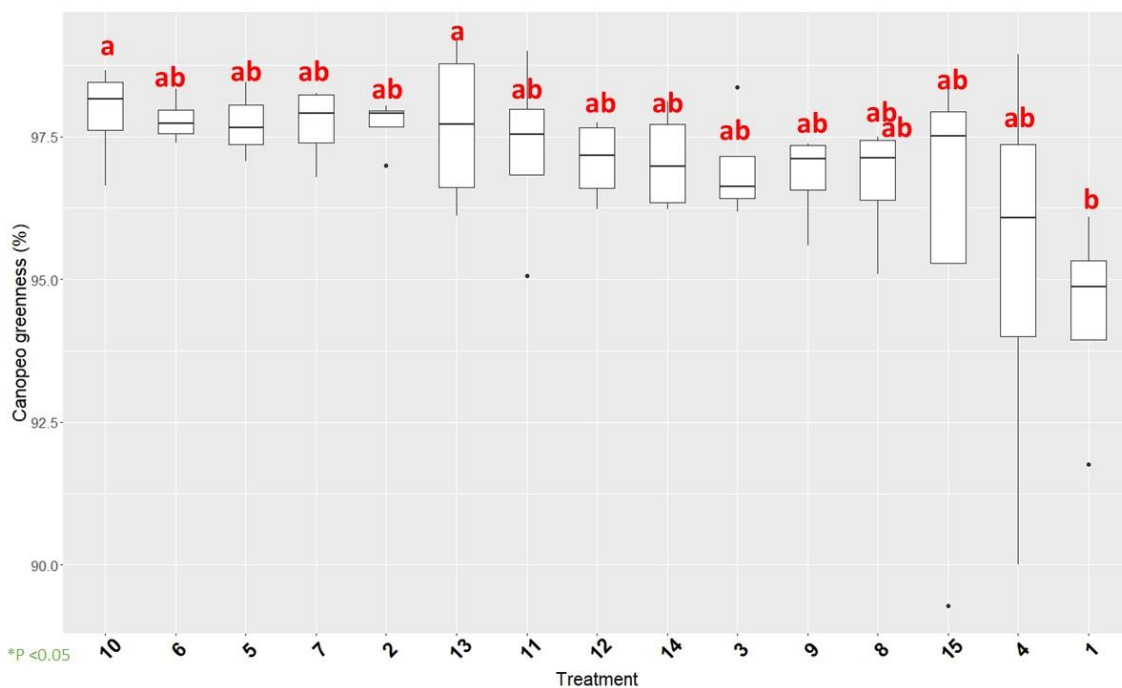


Figure 1. Boxplot showing the Canopeo results by summarized by treatment, with Aproach Prima (treatment 13) showing significantly greener plots.



Figure 2. Photo from Aproach Prima plot (treatment 13), showing no signs of foliar disease on August 8, 2023.

Acknowledgements:

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