

Atlantic AgriTech Inc.

BSSI INS/FUNG Trial

Trial ID: POT2469
 Protocol ID: Location: Trial Year: 2024
 Study Director: Sponsor Contact:
 Investigator:

Rating Date	Jul-9-2024	Jul-15-2024	Jul-30-2024	Jul-8-2024	Jul-15-2024	Jul-22-2024	Jul-22-2024	Jul-22-2024	Jul-22-2024
SE Description	NDVI	NDVI	NDVI	DEFOLI PLANT, -	DEFOLI PLANT, -	DEFOLI PLANT, -	COUINS INS1-2, -	COUINS INS3-4, -	COUINS ADULT, -
Rating Type									
Part Rated									
Rating Unit									
Number of Subsamples	1	1	1	1	1	1	5	5	5
Trt Treatment No. Name	5*	6*	7*	15*	19*	23*	20*	21*	22*
1 Untreated Check	0.7175 -	0.7860 -	0.7515 -	18.8 a	22.8 -	52.5 a	18.3 -	27.5 a	3.2 a
2 Grower Standard Practice Grower Standard Practice	0.7800 -	0.8230 -	0.8055 -	1.3 b	7.3 -	3.3 b	5.1 -	4.4 b	0.4 b
3 GSP 50% of area GSP 50% of area	0.7818 -	0.8300 -	0.8303 -	0.5 b	1.3 -	2.3 b	4.3 -	3.2 b	0.2 b
4 1.5 X GSP 50% of area 1.5X GSP 50% of area	0.7723 -	0.8258 -	0.8378 -	0.3 b	1.3 -	1.8 b	1.0 -	0.4 b	0.9 b
LSD P=.05	0.04710	0.03993	0.06705	2.39	17.57	8.41	13.98	8.74	1.67
Standard Deviation	0.02945	0.02496	0.04192	1.49	10.99	5.26	8.74	5.47	1.04
CV	3.86	3.06	5.2	28.78	135.21	35.22	122.2	61.68	90.74
Levene's F^	0.591	1.254	0.424	0.363	1.072	3.687*	3.377	1.375	0.971
Levene's Prob(F)	0.632	0.334	0.739	0.781	0.397	0.043*	0.054	0.298	0.438
Shapiro-Wilk^	0.9765	0.9252	0.8945	0.799*	0.9222	0.94	0.9616	0.9566	0.9298
P(Shapiro-Wilk)^	0.9294	0.2043	0.0656	0.0026*	0.1833	0.3493	0.6913	0.601	0.2416
Skewness^	-0.563	-1.0482	-1.2331	-1.42*	-0.2321	-0.5852	-0.3301	-0.1912	-1.0557
P(Skewness)^	0.3752	0.1094	0.0637	0.0359*	0.7115	0.3571	0.5999	0.7605	0.1071
Kurtosis^	0.5479	2.0788	2.8444*	3.5504*	2.5898*	1.2603	1.0821	1.9297	1.6965
P(Kurtosis)^	0.652	0.1012	0.0305*	0.0093*	0.046*	0.3066	0.3778	0.1259	0.1746
Replicate F	6.490	2.426	1.945	0.178	0.046	0.508	0.268	0.812	0.557
Replicate Prob(F)	0.0125	0.1327	0.1930	0.9089	0.9859	0.6864	0.8469	0.5186	0.6564
Treatment F	4.300	2.654	3.465	147.019	3.416	90.696	3.033	21.039	6.863
Treatment Prob(F)	0.0385	0.1121	0.0643	0.0001	0.0664	0.0001	0.0857	0.0002	0.0106

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 * Adjusted means
 ^Calculated from residual.

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Rating Date	Jul-15-2024	Jul-12-2024	Jul-12-2024	Jul-12-2024	Jul-12-2024	Oct-1-2024
SE Description	FLOWER	Rhizoc Stolon %>	Rhizoc Stolon %>	Rhizoc Stem % I>	Rhizoc Stem % S>	Rhizoc Tuber ra>
Rating Type	INCID	INCID	INCID	INCID	INCID	
Part Rated	STOLON, -	STOLON, -	STOLON, -	STEM, -	STEM, -	
Rating Unit	NUMBER	%	%	%	%	
Number of Subsamples	1	5	5	5	5	25
Trt Treatment No. Name	24*	25*	26*	27*	28*	29*
1 Untreated Check	62.3 b	35.5 -	7.3 -	5.0 -	1.0 -	1.3 a
2 Grower Standard Practice Grower Standard Practice	114.5 a	15.3 -	4.8 -	0.0 -	0.0 -	0.0 b
3 GSP 50% of area GSP 50% of area	107.0 a	19.5 -	6.5 -	0.0 -	0.0 -	0.2 b
4 1.5 X GSP 50% of area 1.5X GSP 50% of area	107.5 a	20.8 -	6.0 -	0.0 -	0.0 -	0.1 b
LSD P=.05	18.91	15.42	2.93	8.00	1.60	0.71
Standard Deviation	11.82	9.64	1.83	5.00	1.00	0.45
CV	12.09	42.38	29.93	400.0	400.0	112.9
Levene's F^	1.015	0.427	2.566	0.333	0.333	1.109
Levene's Prob(F)	0.42	0.738	0.103	0.802	0.802	0.384
Shapiro-Wilk^	0.95	0.9522	0.9521	0.7152*	0.7152*	0.9482
P(Shapiro-Wilk)^	0.4901	0.5248	0.5241	0.0002*	0.0002*	0.4615
Skewness^	0.1275	-0.3592	-0.2694	1.4754*	1.4754*	-0.5112
P(Skewness)^	0.8388	0.5684	0.6681	0.0301*	0.0301*	0.4196
Kurtosis^	0.3954	-0.8011	-0.9894	3.9194*	3.9194*	2.4035
P(Kurtosis)^	0.7444	0.5113	0.419	0.0049*	0.0049*	0.0618
Replicate F	1.490	1.524	0.223	1.000	1.000	1.466
Replicate Prob(F)	0.2822	0.2739	0.8779	0.4363	0.4363	0.2880
Treatment F	16.420	3.348	1.314	1.000	1.000	7.396
Treatment Prob(F)	0.0005	0.0694	0.3289	0.4363	0.4363	0.0084

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).
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 * Adjusted means
 ^Calculated from residual.

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BSSI INS/FUNG Trial

Trial ID: POT2469
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 Investigator:

Rating Date	Sep-25-2024
SE Description	Marketable yiel>
Rating Type	WEIGHT
Part Rated	
Rating Unit	kg
Number of Subsamples	1
Trt Treatment No. Name	43*
1 Untreated Check	11.98 b
2 Grower Standard Practice Grower Standard Practice	17.15 a
3 GSP 50% of area GSP 50% of area	19.98 a
4 1.5 X GSP 50% of area 1.5X GSP 50% of area	19.93 a
LSD P=.05	3.652
Standard Deviation	2.283
CV	13.23
Levene's F^	1.181
Levene's Prob(F)	0.358
Shapiro-Wilk^	0.9638
P(Shapiro-Wilk)^	0.7301
Skewness^	-0.3299
P(Skewness)^	0.6001
Kurtosis^	-0.1893
P(Kurtosis)^	0.8758
Replicate F	1.503
Replicate Prob(F)	0.2791
Treatment F	10.853
Treatment Prob(F)	0.0024

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Protocol ID: Location: Trial Year: 2024
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Rating Type

NDVI = normalized difference vegetation index
DEFOLI = defoliation
COUINS = count - insect
FLOWER = flowering /blooming
INCID = incidence
WEIGHT = weight

Part Rated

PLANT = plant
INS1-2 = instar 1-2
INS3-4 = instar 3-4
ADULT = adult
STOLON = stolon
STEM = stem

Rating Unit

NUMBER, , , = number
%, 0, 100, = percent
kg, , , = kilogram

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BSSI INS/FUNG Trial

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Rating Date	Jul-9-2024	Jul-15-2024	Jul-30-2024	Jul-8-2024	Jul-15-2024	Jul-22-2024	Jul-22-2024	Jul-22-2024	
SE Description									
Rating Type	NDVI	NDVI	NDVI	DEFOLI	DEFOLI	DEFOLI	COUINS	COUINS	
Part Rated				PLANT, -	PLANT, -	PLANT, -	INS1-2, -	INS3-4, -	
Rating Unit									
Number of Subsamples	1	1	1	1	1	1	5	5	
Trt Treatment									
No. Name	Plot	5	6	7	15	19	23	20	21
1 Untreated Check	101	0.6610	0.7070	0.6250	20.0	35.0	60.0	34.0	28.0
	204	0.6700	0.7900	0.7680	20.0	25.0	60.0	26.0	40.0
	303	0.7490	0.8180	0.7910	15.0	1.0	50.0	13.0	27.0
	402	0.7900	0.8290	0.8220	20.0	30.0	40.0	0.0	15.0
	Mean =	0.7175	0.7860	0.7515	18.8	22.8	52.5	18.3	27.5
2 Grower Standard Practice	102	0.7590	0.8100	0.7880	1.0	1.0	2.0	1.0	0.0
Grower Standard Practice	201	0.7660	0.8260	0.7770	1.0	2.0	1.0	4.0	6.0
	304	0.7830	0.8210	0.8360	2.0	25.0	5.0	6.4	5.6
	403	0.8120	0.8350	0.8210	1.0	1.0	5.0	9.0	6.0
	Mean =	0.7800	0.8230	0.8055	1.3	7.3	3.3	5.1	4.4
3 GSP 50% of area	104	0.7330	0.8180	0.8240	0.0	2.0	3.0	5.0	3.0
GSP 50% of area	203	0.7510	0.8240	0.8140	0.0	1.0	2.0	1.0	2.0
	302	0.8100	0.8350	0.8410	1.0	1.0	1.0	2.0	3.6
	401	0.8330	0.8430	0.8420	1.0	1.0	3.0	9.0	4.0
	Mean =	0.7818	0.8300	0.8303	0.5	1.3	2.3	4.3	3.2
4 1.5 X GSP 50% of area	103	0.7370	0.8170	0.8410	0.0	1.0	2.0	0.0	0.4
1.5X GSP 50% of area	202	0.7710	0.8360	0.8280	0.0	1.0	1.0	0.0	0.2
	301	0.8270	0.8330	0.8290	1.0	2.0	2.0	3.0	1.0
	404	0.7540	0.8170	0.8530	0.0	1.0	2.0	1.0	0.0
	Mean =	0.7723	0.8258	0.8378	0.3	1.3	1.8	1.0	0.4

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Rating Date	Jul-22-2024	Jul-15-2024	Jul-12-2024	Jul-12-2024	Jul-12-2024	Jul-12-2024	
SE Description	COUINS	FLOWER	Rhizoc Stolon %>	Rhizoc Stolon %>	Rhizoc Stem % I>	Rhizoc Stem % S>	
Rating Type	ADULT, -	NUMBER	INCID	STOLON, -	INCID	STEM, -	
Part Rated			STOLON, -	STOLON, -	STEM, -	STEM, -	
Rating Unit			%	%	%	%	
Number of Subsamples	5	1	5	5	5	5	
Trt Treatment							
No. Name	Plot	22	24	25	26	27	28
1 Untreated Check	101	3.8	57.0	16.0	10.0	0.0	0.0
	204	0.6	59.0	50.0	5.0	0.0	0.0
	303	4.6	86.0	34.0	5.0	0.0	0.0
	402	3.6	47.0	42.0	9.0	20.0	4.0
	Mean =	3.2	62.3	35.5	7.3	5.0	1.0
2 Grower Standard Practice	102	0.2	122.0	3.0	3.0	0.0	0.0
Grower Standard Practice	201	0.4	114.0	8.0	5.0	0.0	0.0
	304	0.6	125.0	24.0	6.0	0.0	0.0
	403	0.2	97.0	26.0	5.0	0.0	0.0
	Mean =	0.4	114.5	15.3	4.8	0.0	0.0
3 GSP 50% of area	104	0.0	109.0	21.0	7.0	0.0	0.0
GSP 50% of area	203	0.4	105.0	25.0	7.0	0.0	0.0
	302	0.4	112.0	22.0	7.0	0.0	0.0
	401	0.0	102.0	10.0	5.0	0.0	0.0
	Mean =	0.2	107.0	19.5	6.5	0.0	0.0
4 1.5 X GSP 50% of area	103	1.8	104.0	16.0	7.0	0.0	0.0
1.5X GSP 50% of area	202	1.4	126.0	23.0	7.0	0.0	0.0
	301	0.4	95.0	16.0	5.0	0.0	0.0
	404	0.0	105.0	28.0	5.0	0.0	0.0
	Mean =	0.9	107.5	20.8	6.0	0.0	0.0

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 Study Director: Sponsor Contact:
 Investigator:

Rating Date		Oct-1-2024	Sep-25-2024
SE Description		Rhizoc Tuber ra>	Marketable yiel>
Rating Type			WEIGHT
Part Rated			
Rating Unit			kg
Number of Subsamples		25	1
Trt Treatment			
No. Name	Plot	29	43
1 Untreated Check	101	0.0	10.30
	204	2.2	11.50
	303	1.7	11.40
	402	1.3	14.70
	Mean =	1.3	11.98
2 Grower Standard Practice	102	0.0	17.40
Grower Standard Practice	201	0.0	19.00
	304	0.1	14.00
	403	0.0	18.20
	Mean =	0.0	17.15
3 GSP 50% of area	104	0.0	18.80
GSP 50% of area	203	0.0	17.30
	302	0.3	22.30
	401	0.3	21.50
	Mean =	0.2	19.98
4 1.5 X GSP 50% of area	103	0.0	15.90
1.5X GSP 50% of area	202	0.0	19.40
	301	0.4	23.20
	404	0.0	21.20
	Mean =	0.1	19.93

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Part Rated

PLANT = plant
INS1-2 = instar 1-2
INS3-4 = instar 3-4
ADULT = adult
STOLON = stolon
STEM = stem

Rating Unit

NUMBER, , , = number
%, 0, 100, = percent
kg, , , = kilogram