

BSSI – G24 - Atlantic AgriTech 2024 Trial Summary

Planting / Emergence:

This trial was planted with Mountain Gem seed on May 13th, 2024. We applied in-furrow treatments of G24 according to protocol. Treatments were as follows:

- Treatment 1: Control (no G24 applied), 1000 kg/ha 15-15-15 banded before planting
- Treatment 2: Grower Standard Practice (GSP) – 10 gal/ac of G24 continuous band in furrow in addition to 15-15-15
- Treatment 3: GSP50 (1 X GSP on 50% of the area banded approx.. 3 inches either side of the seed piece) in addition to 15-15-15
- Treatment 4: 15GSP (1.5 X GSP on 50% of the area banded approx.. 3 inches either side of the seed piece) in addition to 15-15-15

To replicate precise placement, we tested our hand-boom sprayer on a sheet of paper towel and calibrated ourselves to the correct walking speed to deliver the desired amount of product around the seed piece. As you can see in the image below, product placement was satisfactory.



Test strip of paper towel to replicate precise product placement by hand boom



Result of in-furrow treatments. Seed spacing was 12”.

After application in-furrow, Treatments 3 and 4 were rolled with Press Wheel supplied by BSSI.

Plants emerged on Jun 10th. We performed plant counts on Jun 10th and Jun 12th. We did notice differences in emergence / canopy cover in late June that were not treatment related. There appeared to be missing plants in some plots. Upon further investigation, it was determined that rotten seed pieces were the cause of uneven emergence. This can be seen in the image below from July 9th:



We made notes on which rows were affected by this issue and we laid out a harvest plan at that time to ensure we would not be harvesting rows/plots that had problems. Since we were only harvesting one row per plot, we were able to choose a suitable row in every plot except for one (plot 103).

One drone-based measurement which was effective in assessing early season growth was individual plant diameter. We were able to accurately measure the diameter of every single plant in each plot and run statistics in ARM software. By measuring each plant individually rather than an entire plot, we limited the effect of missing plants. This data showed that there were no differences between treatments. Canopy cover data per plot also showed no differences between treatments.

In-Season

We carried out several drone flights in season to assess vigor among treatments. There were no differences among treatments in the Jul 19, Jul 30, and Aug 13 drone flights. The index used to assess vigor here was Normalized Difference Red Edge Index (NDRE). This index has commonly been used in potatoes to assess in-season canopy as well as providing an estimation of yield.

Harvest Data

Yield data showed no significant differences between treatments. Treatment 2 (15-15-15 banded before planting + G24 applied by GSP) was not significantly different than Treatment 1 (15-15-15 banded before planting). Since this is only one trial year on one site, we cannot determine whether G24 influences yield. For growers who do use G24 consistently and believe in the product, it appears that applying it using the precise placement strategy had no negative effect on its performance based on this single site/single year trial.

Atlantic AgriTech Inc.

BSSI P fertility trial

Trial ID: POT2466
 Protocol ID: Location: Trial Year: 2024
 Study Director: Sponsor Contact:
 Investigator:

Rating Date SE Description	Jun-10-2024	Jun-12-2024	Jun-21-2024 Canopy Cover Dr>	Jun-21-2024 Plant Diameter >	Jul-4-2024 Canopy Cover Dr>	Jul-19-2024 NDRE Drone	Jul-30-2024 NDRE Drone
Part Rated	COUPLA	COUPLA	PLOT, -	PLANT, -	PLOT, -	PLOT, -	PLOT, -
Rating Type	NUMBER	NUMBER	CANOPY	DIAMET	CANOPY	NUMBER	NUMBER
Rating Unit			%	cm	%		
Rating Min/Max/Interval			0, 100, -		0, 100, -		
Sample Size				1 PLANT			
Number of Subsamples	1	1	1	65	1	1	1
Days After First/Last Applic.	28, 28	30, 30	39, 39	39, 39	52, 52	67, 67	78, 78
Trt-Eval Interval	28 DA-A	30 DA-A	39 DA-A	39 DA-A	52 DA-A	67 DA-A	78 DA-A
Plant-Eval Interval	25 DP-1	27 DP-1	36 DP-1	36 DP-1	49 DP-1	64 DP-1	75 DP-1
Days After Emergence	0 DE-1	2 DE-1	11 DE-1	11 DE-1	24 DE-1	39 DE-1	50 DE-1
Data Entry Date	Jun-13-2024	Jun-13-2024	Nov-5-2024	Nov-5-2024	Nov-5-2024	Nov-5-2024	Nov-5-2024
Trt Treatment No. Name	1*	2*	3*	4*	5*	6*	7*
1 Untreated Check	10.5 a	30.5 a	11.0888 a	19.4982792227 a	42.1693 a	0.2180 a	0.2788 a
2 Grower Standard Practice	11.0 a	26.5 a	9.6380 a	19.7872733360 a	38.5470 a	0.2180 a	0.2855 a
3 GSP 50% of area	11.5 a	25.8 a	10.2368 a	19.9214219233 a	39.6433 a	0.2130 a	0.2803 a
4 1.5X GSP 50% of area	14.0 a	30.0 a	11.1040 a	20.8742208455 a	40.3905 a	0.2113 a	0.2798 a
LSD P=.05	7.74	8.26	2.08107	1.39372996630	6.77160	0.01399	0.00927
Standard Deviation	4.84	5.16	1.30100	0.87130631463	4.23334	0.00874	0.00580
CV	41.16	18.32	12.37	4.35	10.53	4.07	2.06
Levene's Prob(F)	0.90	0.531	0.137	0.207	0.392	0.988	0.062
P(Shapiro-Wilk)^	0.8251	0.5341	0.4124	0.1702	0.2968	0.1652	0.6283
P(Skewness)^	0.7316	0.5275	0.383	0.7506	0.5224	0.2305	0.632
P(Kurtosis)^	0.7682	0.8288	0.6338	0.2584	0.4698	0.7815	0.5232
Replicate F	0.164	1.258	2.720	0.578	4.248	0.805	0.245
Replicate Prob(F)	0.9180	0.3456	0.1069	0.6441	0.0397	0.5219	0.8630
Treatment F	0.413	0.871	1.199	1.872	0.518	0.629	1.088
Treatment Prob(F)	0.7476	0.4912	0.3642	0.2048	0.6806	0.6146	0.4029

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.
 Due to missing data, the effective replicates used for mean comparisons are: col. 9-14,19-22=3.7

* Adjusted means

Could not calculate LSD (% mean diff) or mean separation letters for columns 15,16,17,18 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

^Calculated from residual.

Atlantic AgriTech Inc.

BSSI P fertility trial

Trial ID: POT2466
 Protocol ID: Location: Trial Year: 2024
 Study Director: Sponsor Contact:
 Investigator:

Rating Date SE Description	Aug-13-2024 NDRE Drone	Sep-23-2024 < 55mm Count	Sep-23-2024 < 55mm weight kg	Sep-23-2024 55-85 mm count	Sep-23-2024 55-85 mm weight>	Sep-23-2024 > 284g count	Sep-23-2024 > 284g weight
Part Rated Rating Type Rating Unit Rating Min/Max/Interval Sample Size Number of Subsamples Days After First/Last Applic. Trt-Eval Interval Plant-Eval Interval Days After Emergence Data Entry Date	PLOT, - NUMBER	PLAEME, - COUPLA NUMBER	PLAEME, - WEIGHT kg	PLAEME, - COUPLA NUMBER	PLAEME, - WEIGHT kg	PLAEME, - COUPLA NUMBER	PLAEME, - WEIGHT kg
Number of Subsamples	1	1	1	1	1	1	1
Days After First/Last Applic.	92, 92	133, 133	133, 133	133, 133	133, 133	133, 133	133, 133
Trt-Eval Interval	92 DA-A	133 DA-A	133 DA-A	133 DA-A	133 DA-A	133 DA-A	133 DA-A
Plant-Eval Interval	89 DP-1	130 DP-1	130 DP-1	130 DP-1	130 DP-1	130 DP-1	130 DP-1
Days After Emergence	64 DE-1	105 DE-1	105 DE-1	105 DE-1	105 DE-1	105 DE-1	105 DE-1
Data Entry Date	Nov-5-2024	Oct-25-2024	Oct-25-2024	Oct-25-2024	Oct-25-2024	Oct-25-2024	Oct-25-2024
Trt Treatment No. Name	8*	9*	10*	11*	12*	13*	14*
1 Untreated Check	0.2090 a	28.8 a	1.93 a	85.0 a	13.60 a	9.5 a	3.40 a
2 Grower Standard Practice	0.2180 a	26.3 a	1.70 a	83.0 a	14.43 a	10.5 a	3.65 a
3 GSP 50% of area	0.2130 a	28.3 a	2.03 a	90.5 a	14.90 a	7.3 a	2.53 a
4 1.5X GSP 50% of area	0.2130 a	30.3 a	1.95 a	83.5 a	13.06 a	8.3 a	3.01 a
LSD P=.05	0.01200	9.64	0.589	23.51	4.719	5.10	1.875
Standard Deviation	0.00750	5.91	0.361	14.42	2.894	3.13	1.150
CV	3.52	20.97	19.29	16.74	20.42	34.49	35.79
Levene's Prob(F)	0.183	0.767	0.362	0.992	0.796	0.134	0.246
P(Shapiro-Wilk)^	0.5097	0.9023	0.6791	0.0828	0.0704	0.8913	0.5081
P(Skewness)^	0.4477	0.9481	0.9404	0.3865	0.4841	0.6342	0.4016
P(Kurtosis)^	0.5765	0.4665	0.467	0.4205	0.293	0.8203	0.9686
Replicate F	2.497	1.016	2.084	0.794	1.112	2.541	2.198
Replicate Prob(F)	0.1258	0.4350	0.1808	0.5306	0.3995	0.1297	0.1660
Treatment F	0.965	0.249	0.581	0.194	0.181	0.756	0.711
Treatment Prob(F)	0.4503	0.8597	0.6439	0.8979	0.9061	0.5492	0.5723

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* Adjusted means

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BSSI P fertility trial

Trial ID: POT2466
 Protocol ID: Location: Trial Year: 2024
 Study Director: Sponsor Contact:
 Investigator:

Rating Date SE Description	Sep-23-2024 Rotten count	Sep-23-2024 Rotten weight	Sep-23-2024 Misshapen / kno>	Sep-23-2024 Misshapen / kno>	Sep-23-2024 Total Yield cou>	Sep-23-2024 Total Yield wei>
Part Rated Rating Type Rating Unit Rating Min/Max/Interval Sample Size Number of Subsamples	PLAEME, - COUPLA NUMBER	PLAEME, - WEIGHT kg	PLAEME, - COUPLA NUMBER	PLAEME, - WEIGHT kg	PLAEME, - COUPLA NUMBER	PLAEME, - WEIGHT kg
Days After First/Last Applic.	133, 133	133, 133	133, 133	133, 133	133, 133	133, 133
Trt-Eval Interval	133 DA-A	133 DA-A	133 DA-A	133 DA-A	133 DA-A	133 DA-A
Plant-Eval Interval	130 DP-1	130 DP-1	130 DP-1	130 DP-1	130 DP-1	130 DP-1
Days After Emergence	105 DE-1	105 DE-1	105 DE-1	105 DE-1	105 DE-1	105 DE-1
Data Entry Date			Oct-25-2024	Oct-25-2024	Oct-25-2024	Oct-25-2024
Trt Treatment No. Name	15	16	17	18	19*	20*
1 Untreated Check			3.3	0.80	125.8 a	19.53 a
2 Grower Standard Practice			4.0	1.20	121.8 a	20.38 a
3 GSP 50% of area			4.0	1.00	127.0 a	19.70 a
4 1.5X GSP 50% of area			2.0	0.60	123.1 a	18.33 a
LSD P=.05	.	.	.	.	21.62	4.745
Standard Deviation	.	.	.	.	13.26	2.910
CV	.	.	.	.	10.61	14.78
Levene's Prob(F)	.	.	.	.	0.817	0.436
P(Shapiro-Wilk)^	.	.	.	.	0.7168	0.1075
P(Skewness)^	.	.	.	.	0.8075	0.5319
P(Kurtosis)^	.	.	.	.	0.5992	0.2962
Replicate F					1.866	1.835
Replicate Prob(F)					0.2137	0.2190
Treatment F					0.117	0.140
Treatment Prob(F)					0.9474	0.9333

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

Could not calculate LSD (% mean diff) or mean separation letters for columns 15,16,17,18 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

^Calculated from residual.

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BSSI P fertility trial

Trial ID: POT2466
 Protocol ID: Location: Trial Year: 2024
 Study Director: Sponsor Contact:
 Investigator:

Rating Date	Sep-23-2024	Sep-23-2024
SE Description	Marketable Yiel>	Marketable Yiel>
Part Rated	PLAEME, -	PLAEME, -
Rating Type	COUPLA	WEIGHT
Rating Unit	NUMBER	kg
Rating Min/Max/Interval		
Sample Size		
Number of Subsamples	1	1
Days After First/Last Applic.	133, 133	133, 133
Trt-Eval Interval	133 DA-A	133 DA-A
Plant-Eval Interval	130 DP-1	130 DP-1
Days After Emergence	105 DE-1	105 DE-1
Data Entry Date	Oct-25-2024	Oct-25-2024
Trt Treatment	21*	22*
No. Name		
1 Untreated Check	120.8 a	18.33 a
2 Grower Standard Practice	117.8 a	19.18 a
3 GSP 50% of area	125.0 a	19.20 a
4 1.5X GSP 50% of area	121.2 a	17.72 a
LSD P=.05	25.80	5.729
Standard Deviation	15.82	3.513
CV	12.99	18.65
Levene's Prob(F)	0.535	0.243
P(Shapiro-Wilk)^	0.7268	0.6436
P(Skewness)^	0.7482	0.6439
P(Kurtosis)^	0.6548	0.4972
Replicate F	1.429	1.486
Replicate Prob(F)	0.3044	0.2903
Treatment F	0.173	0.061
Treatment Prob(F)	0.9114	0.9790

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.
 Due to missing data, the effective replicates used for mean comparisons are: col. 9-14,19-22=3.7

* Adjusted means

Could not calculate LSD (% mean diff) or mean separation letters for columns 15,16,17,18 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

^Calculated from residual.

Atlantic AgriTech Inc.

BSSI P fertility trial

Trial ID: POT2466
Protocol ID: Location: Trial Year: 2024
Study Director: Sponsor Contact:
Investigator:

Part Rated

PLOT = plot
PLANT = plant
PLAEME = plant - emerged

Rating Type

COUPLA = count - plant / emergence - objective
CANOPY = canopy
DIAMET = diameter
WEIGHT = weight

Rating Unit

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

PLANT = plant/plant biomass/shrub

Plant-Eval Interval

25 DP-1 = 1 SOLTU May-16-2024
27 DP-1 = 1 SOLTU May-16-2024
36 DP-1 = 1 SOLTU May-16-2024
49 DP-1 = 1 SOLTU May-16-2024
64 DP-1 = 1 SOLTU May-16-2024
75 DP-1 = 1 SOLTU May-16-2024
89 DP-1 = 1 SOLTU May-16-2024
130 DP-1 = 1 SOLTU May-16-2024

Atlantic AgriTech Inc.

BSSI P fertility trial

Trial ID: POT2466
 Protocol ID: Location: Trial Year: 2024
 Study Director: Sponsor Contact:
 Investigator:

Rating Date	Jul-30-2024	Aug-13-2024	Sep-23-2024	Sep-23-2024	Sep-23-2024	Sep-23-2024	
SE Description	NDRE Drone	NDRE Drone	< 55mm Count	< 55mm weight kg	55-85 mm count	55-85 mm weight>	
Part Rated	PLOT, -	PLOT, -	PLAEME, -	PLAEME, -	PLAEME, -	PLAEME, -	
Rating Type			COUPLA	WEIGHT	COUPLA	WEIGHT	
Rating Unit	NUMBER	NUMBER	NUMBER	kg	NUMBER	kg	
Rating Min/Max/Interval							
Sample Size							
Number of Subsamples	1	1	1	1	1	1	
Days After First/Last Applic.	78, 78	92, 92	133, 133	133, 133	133, 133	133, 133	
Trt-Eval Interval	78 DA-A	92 DA-A	133 DA-A	133 DA-A	133 DA-A	133 DA-A	
Plant-Eval Interval	75 DP-1	89 DP-1	130 DP-1	130 DP-1	130 DP-1	130 DP-1	
Days After Emergence	50 DE-1	64 DE-1	105 DE-1	105 DE-1	105 DE-1	105 DE-1	
Data Entry Date	Nov-5-2024	Nov-5-2024	Oct-25-2024	Oct-25-2024	Oct-25-2024	Oct-25-2024	
Trt Treatment							
No. Name	Plot	7	8	9	10	11	12
1 Untreated Check	101	0.2790	0.2140	32.0	2.50	91.0	14.60
	202	0.2850	0.2110	23.0	1.40	82.0	11.30
	304	0.2680	0.1970	25.0	1.60	74.0	11.60
	402	0.2830	0.2140	35.0	2.20	93.0	16.90
	Mean =	0.2788	0.2090	28.8	1.93	85.0	13.60
	Adj =	0.2788	0.2090	28.8	1.93	85.0	13.60
2 Grower Standard Practice	102	0.2850	0.2210	20.0	1.60	77.0	13.40
	203	0.2870	0.2210	24.0	1.50	65.0	11.40
	301	0.2860	0.2200	35.0	2.20	104.0	18.10
	403	0.2840	0.2100	26.0	1.50	86.0	14.80
	Mean =	0.2855	0.2180	26.3	1.70	83.0	14.43
	Adj =	0.2855	0.2180	26.3	1.70	83.0	14.43
3 GSP 50% of area	104	0.2780	0.2220	34.0	2.60	68.0	9.80
	201	0.2790	0.2090	25.0	1.80	93.0	15.80
	303	0.2790	0.2060	30.0	2.00	96.0	16.00
	401	0.2850	0.2150	24.0	1.70	105.0	18.00
	Mean =	0.2803	0.2130	28.3	2.03	90.5	14.90
	Adj =	0.2803	0.2130	28.3	2.03	90.5	14.90
4 1.5X GSP 50% of area	103	0.2870	0.2290				
	204	0.2740	0.1980	24.0	1.50	87.0	13.20
	302	0.2830	0.2100	28.0	1.80	99.0	16.30
	404	0.2750	0.2150	38.0	2.20	72.0	11.40
	Mean =	0.2798	0.2130	30.0	1.83	86.0	13.63
	Adj =	0.2798	0.2130	30.3	1.95	83.5	13.06

Atlantic AgriTech Inc.

BSSI P fertility trial

Trial ID: POT2466
 Protocol ID: Location: Trial Year: 2024
 Study Director: Sponsor Contact:
 Investigator:

Rating Date	Sep-23-2024	Sep-23-2024	Sep-23-2024	Sep-23-2024	Sep-23-2024	Sep-23-2024	
SE Description	> 284g count	> 284g weight	Rotten count	Rotten weight	Misshapen / kno>	Misshapen / kno>	
Part Rated	PLAEME, -	PLAEME, -	PLAEME, -	PLAEME, -	PLAEME, -	PLAEME, -	
Rating Type	COUPLA	WEIGHT	COUPLA	WEIGHT	COUPLA	WEIGHT	
Rating Unit	NUMBER	kg	NUMBER	kg	NUMBER	kg	
Rating Min/Max/Interval							
Sample Size							
Number of Subsamples	1	1	1	1	1	1	
Days After First/Last Applic.	133, 133	133, 133	133, 133	133, 133	133, 133	133, 133	
Trt-Eval Interval	133 DA-A	133 DA-A	133 DA-A	133 DA-A	133 DA-A	133 DA-A	
Plant-Eval Interval	130 DP-1	130 DP-1	130 DP-1	130 DP-1	130 DP-1	130 DP-1	
Days After Emergence	105 DE-1	105 DE-1	105 DE-1	105 DE-1	105 DE-1	105 DE-1	
Data Entry Date	Oct-25-2024	Oct-25-2024			Oct-25-2024	Oct-25-2024	
Trt Treatment							
No. Name	Plot	13	14	15	16	17	18
1 Untreated Check	101	9.0	3.10				
	202	5.0	1.70			5.0	1.20
	304	12.0	4.20			3.0	0.60
	402	12.0	4.60			2.0	0.60
	Mean =	9.5	3.40			3.3	0.80
	Adj =	9.5	3.40				
2 Grower Standard Practice	102	10.0	3.30			4.0	1.40
	203	13.0	5.00				
	301	6.0	1.90				
	403	13.0	4.40			4.0	1.00
	Mean =	10.5	3.65			4.0	1.20
	Adj =	10.5	3.65				
3 GSP 50% of area	104	2.0	0.60			4.0	1.00
	201	9.0	3.00				
	303	5.0	2.10				
	401	13.0	4.40				
	Mean =	7.3	2.53			4.0	1.00
	Adj =	7.3	2.53				
4 1.5X GSP 50% of area	103						
	204	9.0	3.10				
	302	6.0	2.70			2.0	0.60
	404	12.0	4.10				
	Mean =	9.0	3.30			2.0	0.60
	Adj =	8.3	3.01				

Atlantic AgriTech Inc.

BSSI P fertility trial

Trial ID: POT2466
 Protocol ID: Location: Trial Year: 2024
 Study Director: Sponsor Contact:
 Investigator:

Rating Date	Sep-23-2024	Sep-23-2024	Sep-23-2024	Sep-23-2024	
SE Description	Total Yield cou>	Total Yield wei>	Marketable Yiel>	Marketable Yiel>	
Part Rated	PLAEME, -	PLAEME, -	PLAEME, -	PLAEME, -	
Rating Type	COUPLA	WEIGHT	COUPLA	WEIGHT	
Rating Unit	NUMBER	kg	NUMBER	kg	
Rating Min/Max/Interval					
Sample Size					
Number of Subsamples	1	1	1	1	
Days After First/Last Applic.	133, 133	133, 133	133, 133	133, 133	
Trt-Eval Interval	133 DA-A	133 DA-A	133 DA-A	133 DA-A	
Plant-Eval Interval	130 DP-1	130 DP-1	130 DP-1	130 DP-1	
Days After Emergence	105 DE-1	105 DE-1	105 DE-1	105 DE-1	
Data Entry Date	Oct-25-2024	Oct-25-2024	Oct-25-2024	Oct-25-2024	
Trt Treatment					
No. Name	Plot	19	20	21	22
1 Untreated Check	101	132.0	20.20	132.0	20.20
	202	115.0	15.60	105.0	13.20
	304	114.0	18.00	108.0	16.80
	402	142.0	24.30	138.0	23.10
	Mean =	125.8	19.53	120.8	18.33
	Adj =	125.8	19.53	120.8	18.33
2 Grower Standard Practice	102	111.0	19.70	103.0	16.90
	203	102.0	17.90	102.0	17.90
	301	145.0	22.20	145.0	22.20
	403	129.0	21.70	121.0	19.70
	Mean =	121.8	20.38	117.8	19.18
	Adj =	121.8	20.38	117.8	19.18
3 GSP 50% of area	104	108.0	14.00	100.0	12.00
	201	127.0	20.60	127.0	20.60
	303	131.0	20.10	131.0	20.10
	401	142.0	24.10	142.0	24.10
	Mean =	127.0	19.70	125.0	19.20
	Adj =	127.0	19.70	125.0	19.20
4 1.5X GSP 50% of area	103				
	204	120.0	17.80	120.0	17.80
	302	135.0	21.40	131.0	20.20
	404	122.0	17.70	122.0	17.70
	Mean =	125.7	18.97	124.3	18.57
	Adj =	123.1	18.33	121.2	17.72

Atlantic AgriTech Inc.**BSSI P fertility trial**

Trial ID: POT2466
 Protocol ID: Location: Trial Year: 2024
 Study Director: Sponsor Contact:
 Investigator:

Part Rated

PLOT = plot
 PLANT = plant
 PLAEME = plant - emerged

Rating Type

COUPLA = count - plant / emergence - objective
 CANOPY = canopy
 DIAMET = diameter
 WEIGHT = weight

Rating Unit

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

PLANT = plant/plant biomass/shrub

Plant-Eval Interval

25 DP-1 = 1 SOLTU May-16-2024
 27 DP-1 = 1 SOLTU May-16-2024
 36 DP-1 = 1 SOLTU May-16-2024
 49 DP-1 = 1 SOLTU May-16-2024
 64 DP-1 = 1 SOLTU May-16-2024
 75 DP-1 = 1 SOLTU May-16-2024
 89 DP-1 = 1 SOLTU May-16-2024
 130 DP-1 = 1 SOLTU May-16-2024

Status: E established

ARM Trial Created On: Apr-19-2024

Regulations

Conducted Under GLP: No
Conducted Under GEP: No

Crop Description

Crop 1: C SOLTU Solanum tuberosum

Potato

Entry Date: Oct-29-2024

Stage Scale: BBCH

Variety: Mountain Gem

Attributes: popular processing variety for the area

Planting Date: May-16-2024

Planting Method: SEEDHA seeded by hand

Row Spacing: 91 cm

Spacing within Row: 30 cm

Emergence Date: Jun-10-2024

Harvest Date: Oct-9-2024

Harvested Width: 1.82 m

Harvested Length: 6 m

Site and Design

Treated Plot Width: 3 m

Treated Plot Length: 6 m

Treated Plot Area: 18.0 m²

Replications: 4 **Treatments:** 4 **Plots:** 16 **Study Design:** RACOB L Randomized Complete Block (RCB)

Distance between Blocks: 1 m

Distance between 'Plot' Experimental Units: 0.5 m

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Maintenance

No.	Date	Type	Maintenance Product Name	Form Conc	Form Unit	Form Type	Description	Rate	Rate Unit	Tank Mix (Yes/No)	Comment
1.	May-13-2024	FERT	15-15-15			GR	15-15-15	1000	kg/ha		15-15-15-2S-2M g banded before planting
2.	May-13-2024	INSE	ACTARA	240.0	g/L	SC		4.4	mL/100 Row-m	no	
3.	Jun-3-2024	HERB	SENCOR 75WG	75.0	%AW/W	WG		1500	g/ha	yes	
4.	Jun-3-2024	HERB	LOROX 50 DF	50.0	%AW/W	DF		2.5	L/ha	yes	
5.	Jul-1-2024	HERB	ARROW 120 EC	120.0	gA/L	EC		375	mL/ha	yes	
6.	Jul-1-2024	FUNG	PENNCOZEB DG 75 WG	75.0	%AW/W	WG		2.25	kg/ha	yes	
7.	Jul-7-2024	INSE	CIMEGRA					0.18	L/ha	no	Cimegra sprayed with hand boom to address CPB
8.	Jul-8-2024	FUNG	BRAVO ZN 4.17 SC	500.0	gA/L	SC		2	L/ha	no	
9.	Jul-19-2024	FUNG	PENNCOZEB DG 75 WG	75.0	%AW/W	WG		2.25	kg/ha	no	
10.	Jul-19-2024	INSE	CORAGEN 200 SC	200	gA/L	SC		0.46	L/ha	yes	
11.	Jul-30-2024	FUNG	PENNCOZEB DG 75 WG	75.0	%AW/W	WG		2.25	kg/ha	no	
12.	Aug-7-2024	FUNG	PENNCOZEB DG 75 WG	75.0	%AW/W	WG		2.25	kg/ha	no	
13.	Aug-15-2024	FUNG	BRAVO ZN 4.17 SC	500.0	gA/L	SC		2	L/ha	no	
14.	Aug-23-2024	FUNG	PENNCOZEB DG 75 WG	75.0	%AW/W	WG		2.25	kg/ha	yes	
15.	Sep-4-2024	FUNG	PENNCOZEB DG 75 WG	75.0	%AW/W	WG		2	kg/ha	yes	
16.	Sep-4-2024	HERB	REGLONE DESICCANT	240.0	gA/L	SL		2	L/ha	yes	
17.	Sep-11-2024	FUNG	PENNCOZEB DG 75 WG	75.0	%AW/W	WG		2	kg/ha	yes	
18.	Sep-11-2024	HERB	REGLONE DESICCANT	240.0	gA/L	SL		2	L/ha	yes	
19.	Sep-18-2024	HERB	REGLONE DESICCANT	240.0	gA/L	SL		1.25	L/ha	yes	

Field Prep./Maintenance:

Use of standard non-injurious maintenance program (ie. soil herbicide, glyphosate, etc.) to keep plots weed-free. Pest-control & irrigation will be applied to the study area in accordance with best-management practices. Field was prepared with one pass of Res-till implement on April 16, 2024

Soil Description

% OM: 2.9
 pH: 6.2 CEC: 9

Additional Measured Elements

Date	Element	Quantity	Unit	Depth	Unit
Apr-3-2024	P2O5	245	PPM	20	cm
Apr-3-2024	K2O	152	PPM	20	cm

No.	Date	Moisture Total	Unit	Min Temp	Max Temp	Avg Temp	Temp Unit	Min % Relative Humidity	Max % Relative Humidity	Avg % Relative Humidity
1.	Apr-1-2024	0	mm	-1.906	4.465	0.155	C	46	77.4	65
2.	Apr-2-2024	0	mm	-2.472	4.774	1.371	C	40.5	88.3	62.5
3.	Apr-3-2024	0.4	mm	-2.669	2.427	-0.006	C	69.4	100	88.9
4.	Apr-4-2024	0.2	mm	-0.565	3.559	0.88	C	77	100	91.2
5.	Apr-5-2024	4.2	mm	-0.579	2.315	1.008	C	86.6	100	93.6
6.	Apr-6-2024	3.8	mm	0.424	6.313	2.783	C	92.4	100	98.1
7.	Apr-7-2024	2.8	mm	0.451	2.513	1.028	C	95.9	100	99
8.	Apr-8-2024	0.2	mm	-0.282	3.559	1.139	C	85.8	100	93.9
9.	Apr-9-2024	0	mm	-1.257	13.33	5.187	C	30.9	98.4	65.3
10.	Apr-10-2024	0	mm	-2.739	2.091	0.347	C	65	94.9	81
11.	Apr-11-2024	0	mm	-3.826	7.952	1.151	C	35.5	88	65.7
12.	Apr-12-2024	0	mm	-2.061	11.98	5.309	C	52.5	87.5	68.1
13.	Apr-13-2024	3	mm	3.375	14.61	9.16	C	62.8	97.9	90.6
14.	Apr-14-2024	6.2	mm	8.22	17.08	13.22	C	79.7	98.9	91.8

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15.	Apr-15-2024	0	mm	5.437	10.1	7.362	C	66	89.7	80.5
16.	Apr-16-2024	0	mm	4.646	13.73	8.84	C	66.1	93.1	79.8
17.	Apr-17-2024	0.2	mm	3.375	14.09	8.05	C	41.4	100	77.4
18.	Apr-18-2024	0	mm	1.765	5.453	3.164	C	77.9	98.9	90.8
19.	Apr-19-2024	0	mm	-0.055	6.566	3.326	C	62.1	96.8	84.3
20.	Apr-20-2024	0	mm	-0.296	7.837	3.14	C	40.2	97.7	77
21.	Apr-21-2024	9.2	mm	2.035	8.33	4.715	C	50.9	99.4	80
22.	Apr-22-2024	0.2	mm	4.123	13.31	8.1	C	35.4	100	71.2
23.	Apr-23-2024	0.4	mm	-1.665	8.97	4.047	C	28.1	92.3	64.7
24.	Apr-24-2024	0	mm	-2.851	12.63	4.842	C	27.7	69.5	47.3
25.	Apr-25-2024	2.2	mm	-1	11.63	5.139	C	50.4	91.1	75.6
26.	Apr-26-2024	0	mm	-2.766	5.522	1.209	C	39.5	94	61
27.	Apr-27-2024	0	mm	-3.529	6.638	1.679	C	35.8	83.7	58.9
28.	Apr-28-2024	0	mm	-5.18	7.415	1.708	C	33.3	86.9	62.2
29.	Apr-29-2024	0	mm	-6.181	12.64	4.604	C	25.6	90.2	58.8
30.	Apr-30-2024	0.6	mm	2.654	9.01	5.615	C	44.3	94.3	76.5
31.	May-1-2024	0	mm	1.637	3.981	2.464	C	70.9	99.4	82.5
32.	May-2-2024	0	mm	2.246	7.258	3.851	C	75	100	90.5
33.	May-3-2024	0.4	mm	2.953	4.465	3.63	C	94.6	100	99.2
34.	May-4-2024	1.6	mm	2.555	4.067	3.309	C	100	100	100
35.	May-5-2024	0.2	mm	2.104	8.48	4.604	C	72.8	100	92.9
36.	May-6-2024	0	mm	1.455	9.59	5.726	C	70.4	96	84.5
37.	May-7-2024	1.8	mm	5.493	14.05	9.22	C	74.8	97.5	88.4
38.	May-8-2024	1.2	mm	7.103	14.89	10.14	C	52.3	98.3	75.1
39.	May-9-2024	0.2	mm	3.955	8.66	5.88	C	73.5	96	86.1
40.	May-10-2024	9.2	mm	3.065	5.608	4.13	C	93.2	99.6	97
41.	May-11-2024	0	mm	1.808	8.46	4.718	C	76.1	100	91
42.	May-12-2024	0	mm	-0.127	9.06	5.22	C	74.2	100	91.1
43.	May-13-2024	0	mm	2.246	8.46	5.341	C	78.2	97.6	89.2
44.	May-14-2024	0	mm	-0.635	15.49	8.33	C	44.2	100	74.6
45.	May-15-2024	0	mm	2.414	16.82	10	C	34.8	94.7	64.8
46.	May-16-2024	0	mm	6.187	18.9	12.03	C	43.7	91.6	73.5
47.	May-17-2024	0	mm	6.566	15.05	9.77	C	72.4	98.3	87.1
48.	May-18-2024	0	mm	6.016	13.7	9.37	C	69.9	100	89.2
49.	May-19-2024	0	mm	6.467	17.9	11.8	C	68	100	86.5
50.	May-20-2024	0	mm	7.343	16.97	11.53	C	64.9	94.6	81.9
51.	May-21-2024	0	mm	8.23	21.04	14.54	C	40.6	86.1	68.5
52.	May-22-2024	0.2	mm	11.1	23.81	16.62	C	51.2	94.6	75.2
53.	May-23-2024	0	mm	9.9	22.33	15.52	C	61.8	97.8	81.8
54.	May-24-2024	1.2	mm	9.39	27.71	16.31	C	45.6	100	86.2
55.	May-25-2024	0.6	mm	12.04	25.84	18.46	C	33.1	97.5	71.9
56.	May-26-2024	0	mm	6.935	13.76	10.87	C	71.1	99.1	87.9
57.	May-27-2024	0	mm	5.776	12.19	8.73	C	64.6	97.5	85.1
58.	May-28-2024	0	mm	4.449	17.2	10.93	C	58.4	99.4	80.7
59.	May-29-2024	2	mm	9.04	18.71	14.29	C	76.6	97.5	91.8
60.	May-30-2024	0.2	mm	9.82	23.18	16.65	C	51	99	80.7
61.	May-31-2024	0	mm	7.669	17.56	12.69	C	48.4	92.5	70
62.	Jun-1-2024	0	mm	5.877	15.85	10.79	C	56.5	95.7	78.9
63.	Jun-2-2024	1.2	mm	5.522	11.26	8.3	C	75.2	97.7	88.9
64.	Jun-3-2024	7.8	mm	7.755	11.09	8.72	C	84.5	100	94.9
65.	Jun-4-2024	0.4	mm	7.992	12.36	9.65	C	91.2	100	99
66.	Jun-5-2024	0	mm	9.38	15.05	11.22	C	82.7	100	95
67.	Jun-6-2024	0	mm	9.83	16.86	13.11	C	75.5	97.7	88

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68.	Jun-7-2024	0	mm	7.741	14.41	10.18	C	81.1	100	95.3
69.	Jun-8-2024	0	mm	5.311	16.79	11.06	C	78.9	100	94.9
70.	Jun-9-2024	3.4	mm	10.14	19.77	15.18	C	76.1	100	92.4
71.	Jun-10-2024	1.4	mm	13.39	21.4	16.42	C	61.6	99.5	86
72.	Jun-11-2024	0.2	mm	13.11	20.71	15.87	C	56	97.5	81.4
73.	Jun-12-2024	0	mm	11.3	19.57	14.73	C	74.9	99.6	89.2
74.	Jun-13-2024	0	mm	9.97	20.46	14.79	C	73.5	100	91.6
75.	Jun-14-2024	0	mm	12.42	25.34	18.87	C	46.9	97.2	75.4
76.	Jun-15-2024	0	mm	14.48	27.96	20.5	C	49	85.8	70.9
77.	Jun-16-2024	10.4	mm	11.08	17.81	14.86	C	83.3	98.1	92.1
78.	Jun-17-2024	0	mm	10.37	20.73	14.91	C	33.1	96.4	64.4
79.	Jun-18-2024	0	mm	12.87	24.21	18.03	C	20.2	76.4	56.8
80.	Jun-19-2024	0	mm	14.54	27.27	20.54	C	59.1	80.4	67.7
81.	Jun-20-2024	0	mm	18.65	31.96	24.92	C	55.8	87.5	73.4
82.	Jun-21-2024	0.2	mm	20.38	32.16	25.67	C	54.1	88.2	72.7
83.	Jun-22-2024	0	mm	15.05	24.44	19.95	C	30.1	77.2	55.1
84.	Jun-23-2024	0	mm	13.61	26.15	20.07	C	30.8	88.3	58.9
85.	Jun-24-2024	43.8	mm	14.75	21.84	17.5	C	63.2	98.4	85.4
86.	Jun-25-2024	4	mm	15.09	19.98	17.2	C	86.9	98.4	94.3
87.	Jun-26-2024	18.2	mm	13.93	15.8	14.92	C	93.3	100	97.6
88.	Jun-27-2024	0	mm	13.61	26.47	19.88	C	52.1	100	80.6
89.	Jun-28-2024	11.6	mm	15.02	21.58	18.25	C	77.6	97.6	91.6
90.	Jun-29-2024	0.4	mm	10.03	17.74	15.17	C	62.4	99.5	85
91.	Jun-30-2024	0	mm	9.53	22.59	16.62	C	48.5	99.5	74.6
92.	Jul-1-2024	0.8	mm	12.86	22.59	17.79	C	67.8	93.1	86.3
93.	Jul-2-2024	0	mm	13.61	20.55	17.1	C	73.4	97.3	88.5
94.	Jul-3-2024	0	mm	12.52	25.05	19.17	C	33.2	98.1	70.7
95.	Jul-4-2024	0	mm	10.91	27.56	20.42	C	30.9	94.1	59
96.	Jul-5-2024	0	mm	15.03	24.18	19.36	C	46	79.4	63
97.	Jul-6-2024	0	mm	15.76	25.76	20.31	C	61.8	88.4	75.9
98.	Jul-7-2024	2.8	mm	17.21	20.42	18.71	C	82.6	96.1	90.9
99.	Jul-8-2024	0.2	mm	18.57	24.24	20.2	C	78.5	98.5	93.4
100.	Jul-9-2024	0	mm	17.08	29.5	23.7	C	52.7	98.5	81
101.	Jul-10-2024	0.4	mm	19.54	27.81	23.31	C	64.9	95.8	80
102.	Jul-11-2024	0.2	mm	19.23	28.92	23.54	C	54.9	95.3	80.4
103.	Jul-12-2024	44.6	mm	19.4	22.9	20.98	C	88.1	99.3	96.3
104.	Jul-13-2024	1	mm	18.68	23.18	20.49	C	86.6	99.3	94.4
105.	Jul-14-2024	0	mm	18.64	28.26	22.88	C	64.5	95.5	83.7
106.	Jul-15-2024	0.8	mm	19.16	30.24	23.95	C	53	94.2	79.5
107.	Jul-16-2024	0	mm	20.21	29.91	24.47	C	52.5	87.3	72.2
108.	Jul-17-2024	20.2	mm	20.22	28.92	23.47	C	69.7	95.1	85.3
109.	Jul-18-2024	0	mm	20	27.42	23.17	C	72.3	95	85.1
110.	Jul-19-2024	1.6	mm	19.91	24.68	21.83	C	79.2	95.4	89.4
111.	Jul-20-2024	0	mm	17.85	26.56	21.43	C	48.5	94.5	74.2
112.	Jul-21-2024	0	mm	17.27	26.57	21.78	C	47.3	84.5	67.4
113.	Jul-22-2024	0	mm	15.18	24.23	19.32	C	62.8	89.2	79.1
114.	Jul-23-2024	0	mm	14.28	24.5	19.08	C	44.3	86.6	66.7
115.	Jul-24-2024	0	mm	14.61	23.37	19.09	C	57	89.2	78.5
116.	Jul-25-2024	0	mm	14.91	23.58	19.43	C	51.9	97.3	78.1
117.	Jul-26-2024	7.4	mm	14.79	25.44	20.51	C	55.4	95.6	78
118.	Jul-27-2024	0	mm	14.49	22.88	18.96	C	69.6	95.2	84.9
119.	Jul-28-2024	0	mm	13.62	24.1	19.24	C	52.7	93.6	75.2
120.	Jul-29-2024	0	mm	16.42	27.65	21.97	C	47.7	86.1	66.4

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121.	Jul-30-2024	0	mm	16.63	29.19	22.96	C	58	84.6	73.7
122.	Jul-31-2024	0	mm	15.63	25.33	20.97	C	61.1	93.6	78.6
123.	Aug-1-2024	0	mm	19.4	28.64	23.21	C	56.3	88.5	76.5
124.	Aug-2-2024	4	mm	20.89	27.31	23.48	C	69.5	94	85
125.	Aug-3-2024	0.2	mm	20.68	29.52	23.78	C	56.1	96.7	83.9
126.	Aug-4-2024	0	mm	20.42	28.57	24.31	C	62.1	89.2	80.4
127.	Aug-5-2024	0	mm	20.56	27.2	23.72	C	73.5	94.1	86.2
128.	Aug-6-2024	0.6	mm	19.35	26.32	22.31	C	50.4	95.1	82.6
129.	Aug-7-2024	9	mm	15.02	21.75	18.56	C	51.1	93.9	76.8
130.	Aug-8-2024	0	mm	15.21	24.28	19.09	C	40.1	87	69.4
131.	Aug-9-2024	0	mm	11.82	24.2	18.84	C	35.9	83.7	60.9
132.	Aug-10-2024	1.2	mm	14.65	22.68	17.89	C	52.5	94.1	77.1
133.	Aug-11-2024	2.6	mm	17.89	24.81	21.93	C	83.4	94.8	91.1
134.	Aug-12-2024	0	mm	17.41	27.49	21.82	C	46	95.1	74.6
136.	Aug-14-2024	0	mm	15.57	24.88	19.2	C	59.5	96.1	83.9
137.	Aug-15-2024	0	mm	12.31	21.41	17.99	C	66.9	94.2	80.2
138.	Aug-16-2024	0	mm	9.94	25.15	17.1	C	33.6	98.4	76.4
139.	Aug-17-2024	0	mm	12.98	27.11	20.03	C	40.1	96.6	71.3
140.	Aug-18-2024	0	mm	16.45	26.52	21	C	35.7	85.2	64.2
141.	Aug-19-2024	0	mm	14.78	24.18	19.11	C	61.6	91.8	78.9
142.	Aug-20-2024	4.8	mm	17.07	27.23	21.69	C	73.6	97.2	89.3
143.	Aug-21-2024	1.4	mm	20.21	27.51	23.17	C	67.4	94.9	84.6
144.	Aug-22-2024	1.4	mm	18.41	21	19.45	C	90	96.8	93.4
145.	Aug-23-2024	0.2	mm	15.26	23.97	19.67	C	50.4	95.3	76.5
146.	Aug-24-2024	0	mm	14.57	21.98	18.2	C	56.4	93.4	76.8
147.	Aug-25-2024	0	mm	16.08	27.49	20.86	C	37.8	90.5	69.4
148.	Aug-26-2024	0	mm	17.46	29.83	22.84	C	43	86.6	69
149.	Aug-27-2024	0	mm	17.39	26.5	21.52	C	55.2	86.6	73.8
150.	Aug-28-2024	0	mm	16.62	26.93	21.44	C	52.2	89.8	71.4
151.	Aug-29-2024	5.2	mm	14.85	21.47	17.74	C	61.7	95	81.4
152.	Aug-30-2024	0	mm	9.28	18.51	15.37	C	52.2	85.8	66.6
153.	Aug-31-2024	0	mm	9.06	23.22	16.19	C	33.6	87.4	65.5
154.	Sep-2-2024	0	mm	15.67	24.9	20.11	C	62.4	92.8	81.3
155.	Sep-3-2024	0.4	mm	11.33	21.29	17.53	C	52.1	94.5	79.5
156.	Sep-4-2024	0	mm	11.1	18.9	15.02	C	37.8	90.6	61.2
157.	Sep-5-2024	0	mm	10.95	23.39	17.22	C	32.7	86.1	62.7
158.	Sep-6-2024	0	mm	14.19	26.93	19.73	C	45.1	85.3	66.1
159.	Sep-7-2024	0	mm	13.79	21.48	17.4	C	47.4	87.8	70.4
160.	Sep-8-2024	16.4	mm	14.58	19.62	17.52	C	84.7	95.7	91.8
161.	Sep-9-2024	0.8	mm	12.8	22.59	18.76	C	71.5	96.8	86.4
162.	Sep-10-2024	0	mm	9.37	19.16	14.39	C	52.8	92.7	73
163.	Sep-11-2024	0	mm	11.8	21.71	16.08	C	40.7	90.8	67.7
164.	Sep-12-2024	0	mm	0	20.04	15.04	C	0	93.6	77.4
165.	Sep-13-2024	0	mm	12.21	21.31	16.02	C	44.3	93.7	76.4
166.	Sep-14-2024	0	mm	13.38	25.32	19.25	C	53.2	93.3	77.1
167.	Sep-15-2024	0	mm	8.63	17.33	14.16	C	57.9	88.6	72.9
168.	Sep-16-2024	0	mm	8.29	22.26	15.04	C	47.6	90.6	72.7
169.	Sep-17-2024	0	mm	14.67	27.46	20.15	C	52.4	82.3	71.1
170.	Sep-18-2024	0	mm	17.33	28.87	22.09	C	49.1	86.7	69.8
171.	Sep-19-2024	0	mm	17.2	28.92	22.41	C	48.3	86.6	70.2
172.	Sep-20-2024	0	mm	14.68	20.08	17.52	C	67.6	91.3	82.7
173.	Sep-21-2024	0	mm	11.31	19.19	16.11	C	51.5	89.8	69.3
174.	Sep-22-2024	0	mm	8.88	19.66	14.26	C	53.3	93.1	76.3

Atlantic AgriTech Inc.

BSSI P fertility trial

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 Investigator:

175.	Sep-23-2024	0	mm	7.6	19.08	13.27	C	61.2	95.8	79.2
176.	Sep-24-2024	0	mm	8.61	18.27	12.71	C	47.6	87.3	71.5
177.	Sep-25-2024	0	mm	9.28	19.06	14.32	C	60.7	90.8	74.7
178.	Sep-26-2024	0.2	mm	11.09	17.97	14.44	C	61.2	92.6	78.1
179.	Sep-27-2024	3	mm	11.05	17.31	13.62	C	61.5	92.6	82.6
180.	Sep-28-2024	21	mm	12.73	15.25	13.8	C	88.7	96.3	94.1
181.	Sep-29-2024	1.6	mm	12.32	17.89	14.97	C	65.7	94.7	82.7
182.	Sep-30-2024	0	mm	10.38	19.48	14.39	C	56	92.1	78.6
183.	Oct-1-2024	0	mm	11.74	17.38	14.43	C	67.3	96.2	83.2
184.	Oct-2-2024	0	mm	12.79	16.67	14.14	C	57	82.8	71.4
185.	Oct-3-2024	0	mm	6.71	16.63	12.86	C	54.9	92.1	72.2
186.	Oct-4-2024	0	mm	6.425	18.48	12.8	C	51.9	94.4	77.7
187.	Oct-5-2024	0	mm	11.66	20.55	15.15	C	53.2	94.5	79.8
188.	Oct-6-2024	1.2	mm	12.36	16.83	14.22	C	76.9	96.8	90.2
189.	Oct-7-2024	0.6	mm	12.02	16.35	13.88	C	77.3	96.5	88.3
190.	Oct-8-2024	0	mm	10.27	18.02	13.42	C	58	90	79.7
191.	Oct-9-2024	20.2	mm	11.19	16.6	13.37	C	69.3	94.6	82.8
192.	Oct-10-2024	0.2	mm	5.156	14.2	10.32	C	42.9	94.7	75.4
193.	Oct-11-2024	0.2	mm	5.835	14.15	9.16	C	49.6	95	79.5
194.	Oct-12-2024	0	mm	7.626	13.14	9.91	C	47.8	88.8	69.4
195.	Oct-13-2024	10.8	mm	8.25	12.64	10.28	C	67.4	92.9	81.9
196.	Oct-14-2024	0	mm	6.58	13.37	9.19	C	51.1	85.4	69.7
197.	Oct-15-2024	17.6	mm	6.454	16.45	10.1	C	77.2	96.3	91
198.	Oct-16-2024	0	mm	7.725	17.24	10.77	C	61.8	95.2	75.2
199.	Oct-17-2024	4.6	mm	4.871	9.32	6.399	C	66.2	89	80.1
200.	Oct-18-2024	0.2	mm	2.47	11.88	7.32	C	46.4	88.3	72.1
201.	Oct-19-2024	0	mm	2.499	12.24	8.02	C	55.3	94.1	74
202.	Oct-20-2024	0	mm	5.071	18.29	11.55	C	39.8	85.9	67.1
203.	Oct-21-2024	0	mm	9.18	19.15	13.68	C	42.8	76.3	61.1
204.	Oct-22-2024	0	mm	13.22	19.72	15.63	C	46.8	78.2	62
205.	Oct-23-2024	0	mm	4.831	15.26	9.65	C	42.8	87.1	69.3
206.	Oct-24-2024	0	mm	8.02	19.7	14.2	C	64.7	86.1	77

Application Description

	A
Date	May-13-2024
Start Time	3:30 PM
Stop Time	4:00 PM
Standard	INSP
Method	SPRAY
Timing	ATPLAN
Placement	INFURR
Entry Date	Nov-5-2024
Air Temperature Start, Stop	14, 14 C
% Relative Humidity Start, Stop	54, 54
Wind Velocity+Dir. Start	12 KPH, E
Wind Velocity+Dir. Stop	12 KPH, E
Wind Velocity+Dir. Max	15 KPH, E
Soil Temperature	14 C
Soil Temperature Depth	15 cm
Soil Moisture	DRY

Atlantic AgriTech Inc.

BSSI P fertility trial

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Crop Stage At Each Application

	A
Crop 1 Code, BBCH Scale	SOLTU, BPOT
Days after Emergence	-28

Application Equipment

	A
Equipment Type	MANCAI
Operation Pressure	2.06 BAR
Nozzle Type	FLAFAN
Nozzle TradeName	Teejet
Nozzle Tip Size, Color	67, -
Nozzles/Row	1.0
Nozzle Count	1
Band Width	20.0 cm
Carrier	WATER
Propellant	COMCO2

Notes

No.	Context	Date	By	Notes
1.	STATUS	Apr-19-2024	Evan MacDonald	Automatically added by ARM: Trial Status updated to 'S' during trial creation by (XZRMAE).
2.	STATUS	Jun-13-2024	Evan MacDonald	Automatically added by ARM: Trial Status updated to 'E' when Rating Date was entered by (XZRMAE).