

Appendix (2):Emergence percentage for different seed potato tuber types season (2009/2010)

Treatment	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
				Lower Bound	Upper Bound		
B0	68.7	38.7	6.4	55.7	81.8	0	100
M0	62.8	36.8	6.1	50.3	75.2	0	100
B1	84.6	30.2	5.0	74.4	94.8	0	100
M1	86.1	25.4	4.2	77.5	94.7	0	100
B2	88.5	24.1	4.0	80.4	96.7	0	100
M2	69.7	38.0	6.3	56.9	82.6	0	100
Total	76.7	33.9	2.3	72.2	81.3	0	100

B0 =	Bellini imported seed
M0 =	Mondial imported seed
B1 =	Bellini first generation
M1 =	Mondial first generation
B2 =	Bellini farmer seed
M2 =	Mondial farmer seed

Appendix(3):Emergence percentage for different seed potato tuber types season (2010/2011)

Treatment	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
				Lower Bound	Upper Bound		
B0	58.5	42.5	6.4	45.6	71.4	0	100
M0	60.5	39.1	5.9	48.7	72.4	0	100
B1	89.4	21.3	3.2	82.9	95.9	3.6	100
M1	86.2	23.8	3.6	79.0	93.5	10.7	100
B2	83.6	29.5	4.4	74.6	92.5	0	100
M2	83.2	29.4	4.4	74.3	92.1	1.8	100
Total	76.9	33.9	2.1	72.8	81.0	0	100

B0 =	Bellini imported seed
M0 =	Mondial imported seed
B1 =	Bellini first generation
M1 =	Mondial first generation
B2 =	Bellini farmer seed
M2 =	Mondial farmer seed

Appendix (4):Plant cover percentage for different seed tuber potato types season ( 2009/2010)

Treatment	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound		
B0	54.0	32.4	4.9	44.2	63.9	0	94.4
M0	44.5	37.3	5.6	33.1	55.8	0	100
B1	55.2	25.4	3.8	47.5	63.0	0	94.4
M1	59.0	29.6	4.5	50.0	68.0	1.1	100
B2	49.7	24.4	3.7	42.3	57.1	0	91.1
M2	51.7	31.7	4.8	42.1	61.3	0	93.3
Total	52.4	30.5	1.9	48.7	56.1	0	100

B0 =	Bellini imported seed
M0 =	Mondial imported seed
B1 =	Bellini first generation
M1 =	Mondial first generation
B2	Bellini farmer seed

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M2	= Mondial farmer seed

Appendix (5) :Plant cover percentage for different seed tuber potato types season(2010/2011)

Treatment	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
				Lower Bound	Upper Bound		
B0	58.6	28.8	3.7	51.1	66.0	4.4	97.8
M0	46.1	24.6	3.2	39.7	52.4	5.6	91.1
B1	75.1	23.1	3.0	69.2	81.1	8.2	98.9
M1	75.8	21.0	2.7	70.4	81.2	20	100
B2	79.4	19.9	2.6	74.3	84.6	31.1	100
M2	77.8	19.6	2.5	72.8	82.9	26.7	100
Total	68.8	26.0	1.4	66.1	71.5	4.4	100

B0	= Bellini imported seed
M0	= Mondial imported seed

B1 =	Bellini first generation
M1 =	Mondial first generation
B2 =	Bellini farmer seed
M2 =	Mondial farmer seed

Appendix(6): Number of stems for different seed potato types season (2009/2010)

Treatment	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
				Lower Bound	Upper Bound		
B0	3.4	0.6	0.2	2.8	3.9	2.6	4.2
M0	2.5	0.5	0.2	2.0	2.9	1.6	3.2
B1	3.4	1.0	0.3	2.6	4.2	2.2	5
M1	3.9	1.2	0.4	2.9	4.9	2	5.3
B2	3.3	0.7	0.2	2.7	3.8	2.2	4
M2	3.2	0.8	0.3	2.5	3.8	2	4.2
Total	3.3	0.9	0.1	3.0	3.5	1.6	5.3

B0 =	Bellini imported seed
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M0 =	Mondial imported seed
B1 =	Bellini first generation
M1 =	Mondial first generation
B2 =	Bellini farmer seed
M2 =	Mondial farmer seed

ANOVA table of number of stems for different seed potato types season(2010/2011)

SoV	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	9.3	5	1.9	2.8	0.0
Within Groups	28.1	42	0.7		
Total	37.4	47			

Appendix(7): Number of stems for different seed potato types season(2010/2011)

Treatment	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
				Lower Bound	Upper Bound		
B0	2.5	0.5	0.2	2.1	2.9	2	3
M0	2.3	0.5	0.2	1.9	2.7	2	3
B1	3.9	0.6	0.2	3.3	4.4	3	5
M1	4.0	0.9	0.3	3.2	4.7	2	5
B2	4.7	1.2	0.4	3.6	5.7	3	6.4
M2	5.0	0.9	0.3	4.2	5.8	3.4	6
Total	3.7	1.3	0.2	3.4	4.1	2	6.4

B0 =	Bellini imported seed
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M0 =	Mondial imported seed
B1 =	Bellini first generation
M1 =	Mondial first generation
B2 =	Bellini farmer seed
M2 =	Mondial farmer seed

ANOVA table of number of stems for different seed potato types season(2010/2011)

SoV	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	48.6	5	9.7	14.4	0.0
Within Groups	28.3	4	0.7		
Total	76.9	7			

Appendix (8): weight grade of different seed potato tuber types season (2010/2011)

Treatment	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
				Lower Bound	Upper Bound		
B0	19.96	18.19	8.13	-2.62	42.55	3.51	50.8
M0	20	15.85	7.09	0.32	39.68	2.9	41.4
B1	20	15.17	6.78	1.17	38.83	1.6	38.7
M1	20	11.47	5.13	5.76	34.24	2.8	33.8
B2	20	14.3	6.39	2.25	37.75	2.6	40.8

M2	20	14.1	6.3	2.49	37.51	1.5	40.6
Total	19.9 9	13.63	2.49	14.904	25.083	1.5	50.8

B0 =	Bellini imported seed
M0 =	Mondial imported seed
B1 =	Bellini first generation
M1 =	Mondial first generation
B2 =	Bellini farmer seed
M2 =	Mondial farmer seed

ANOVA table of weight grade of different seed potato tuber types season (2010/2011)

sov	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	0.006016667	5	0.001203333	5.36095E-06	1
Within Groups	5387.10288	2 4	224.46262		
Total	5387.108897	2 9			

Appendix (9):Incidences of potato leaf roll virus( PLRV) in different potato stocks, season (2010/2011)

	Treatmen	Mea	Std. Deviation	Std.	95% Confidence Interval for	Minimum	Maximum

PLR V	t	n		Error	Mean					
					Lower Bound	Upper Bound				
			B0	0.14	0.38	0.14	-0.21	0.49	0	1
			M0	0.14	0.38	0.14	-0.21	0.49	0	1
			B1	0.14	0.38	0.14	-0.21	0.49	0	1
			M1	0.29	0.49	0.18	-0.17	0.74	0	1
			B2	0.29	0.49	0.18	-0.17	0.74	0	1
			M2	0.57	0.53	0.2	0.08	1.07	0	1
			Total	0.26	0.45	0.07	0.12	0.4	0	1

B0 =	Bellini imported seed
M0 =	Mondial imported seed
B1 =	Bellini first generation
M1 =	Mondial first generation
B2 =	Bellini farmer seed
M2 =	Mondial farmer seed

Appendix(10):Incidences of potato virus Y( PVY) in different potato stocks, season (2010/2011)

	Treatment	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
PVY	B0	0	0	0	0	0	0	0
	M0	0	0	0	0	0	0	0
	B1	0.14	0.38	0.14	-0.21	0.49	0	1
	M1	0.14	0.38	0.14	-0.21	0.49	0	1
	B2	0.43	0.53	0.2	-0.07	0.92	0	1
	M2	0.71	0.49	0.18	0.26	1.17	0	1
	Total	0.24	0.43	0.07	0.11	0.381	0	1

B0 =	Bellini imported seed
M0 =	Mondial imported seed
B1 =	Bellini first generation
M1 =	Mondial first generation
B2 =	Bellini farmer seed
M2 =	Mondial farmer seed