

APPENDIX

Appendix 1 Analysis of Variance table for percentage of rice seed infected by fungi in dry and wet seed treated with ozone 1.25 mg/g rice seed/hr at various times

Source	DF	SS	MS	F	P
Rep	3	66.875	22.292		
Ozonation time	4	755.15	188.787	64.27	0.0000
Error Rep*Ozonation time	12	35.25	2.938		
Seed condition	1	5.625	5.625	2.13	0.1651
Ozonation time*Seed condition	4	16.25	4.063	1.54	0.2417
Error Rep*Ozonation time*Seed condition	15	39.625	2.642		
Total	39	918.775			

Appendix 2 Analysis of Variance table for percentage of rice seed infected by *Alternaria padwickii* in dry and wet seed treated with ozone 1.25 mg/g rice seed/ hr at various times

Source	DF	SS	MS	F	P
Rep	3	853.8	284.59		
Ozonation time	4	13914	3478.5	56.35	0.0000
Error Rep*Ozonation time	12	740.7	61.73		
Seed condition	1	246.1	246.12	5.9	0.0281
Ozonation time*Seed condition	4	9.3	2.34	0.06	0.9935
Error Rep*Ozonation time*Seed condition	15	625.3	41.69		
Total	39	16389.3			

Appendix 3 Analysis of Variance table for percentage of rice seed infected by *Fusarium moniliforme* in dry and wet seed treated with ozone 1.25 mg/g rice seed/hr at various times

Source	DF	SS	MS	F	P
Rep	3	12.222	4.0741		
Ozonation time	4	82.515	20.6288	15.39	0.0001
Error Rep*Ozonation time	12	16.084	1.3403		
Seed condition	1	7.276	7.2761	16.45	0.0010
Ozonation time*Seed condition	4	2.559	0.6398	1.45	0.2674
Error Rep*Ozonation time*Seed condition	15	6.636	0.4424		
Total	39	127.294			

Appendix 4 Analysis of variance table for percentage of rice seed moisture content in dry and wet seed treated with ozone 1.25 mg/g rice seed/hr at various times

Source	DF	SS	MS	F	P
Rep	3	6.157	2.052		
Ozonation time	4	9.211	2.303	32.35	0.0000
Error Rep*Ozonation time	12	0.854	0.071		
Seed condition	1	373.016	373.016	3295.94	0.0000
Ozonation time*Seed condition	4	3.932	0.983	8.69	0.0008
Error Rep*Ozonation time*Seed condition	15	1.698	0.113		
Total	39	394.867			

Appendix 5 Analysis of variance table for percentage of rice seed germination in dry and wet seed treated with ozone 1.25 mg/g rice seed/hr at various times

Source	DF	SS	MS	F	P
Rep	3	130.675	43.5583		
Ozonation time	4	320.35	80.0875	14.68	0.0001
Error Rep*Ozonation time	12	65.45	5.4542		
Seed condition	1	27.225	27.225	2.26	0.1534
Ozonation time*Seed condition	4	104.65	26.1625	2.17	0.1218
Error Rep*Ozonation time*Seed condition	15	180.625	12.0417		
Total	39	828.975			

Appendix 6 Analysis of variance table percentage of rice seed viability in dry and wet seed treated with ozone 1.25 mg/g rice seed/hr at various times

Source	DF	SS	MS	F	P
Rep	3	66.875	22.292		
Ozonation	4	755.15	188.787	64.27	0.0000
Error Rep*Ozonation	12	35.25	2.938		
Seed condition	1	5.625	5.625	2.13	0.1651
Ozonation time*Seed condition	4	16.25	4.063	1.54	0.2417
Error Rep*Ozonation time*Seed condition	15	39.625	2.642		
Total	39	918.775			

Appendix 7 Analysis of variance table for speed of germination (Seedling/day) of rice seed in dry and wet seed treated with ozone 1.25 mg/g rice seed/hr at various times

Source	DF	SS	MS	F	P
Rep	3	92.769	30.9229		
Ozonation time	4	27.494	6.8735	16.3	0.0001
Error Rep*Ozonation time	12	5.06	0.4217		
Seed condition	1	8.742	8.7423	20.79	0.0004
Ozonation time*Seed condition	4	6.854	1.7135	4.07	0.0197
Error Rep*Ozonation time*Seed condition	15	6.309	0.4206		
Total	39	147.228			

Appendix 8 Analysis of variance table for seedling growth rate (mg/seedling/7 days) of rice seed in dry and wet seed treated with ozone 1.25 mg/g rice seed/hr at various times

Source	DF	SS	MS	F	P
Rep	3	20.6779	6.89264		
Ozonation time	4	2.9435	0.73587	5.86	0.0075
Error Rep*Ozonation time	12	1.5067	0.12555		
Seed condition	1	1.714	1.71396	14.49	0.0017
Ozonation time*Seed condition	4	0.9425	0.23563	1.99	0.1475
Error Rep*Ozonation time*Seed condition	15	1.7742	0.11828		
Total	39	29.5588			

Appendix 9 Analysis of variance table for percentage of rice seed germination by cold test in dry and wet seed treated with ozone 1.25 mg/g rice seed/hr at various times

Source	DF	SS	MS	F	P
Rep	3	731.68	243.892		
Ozonation time	4	3898	974.5	26.21	0.0000
Error Rep*Ozoneflow	12	446.2	37.183		
Seed condition	1	275.62	275.625	11.04	0.0046
Ozonation time*Seed condition	4	329.5	82.375	3.3	0.0396
Error Rep*Ozonation time*Seed condition	15	374.38	24.958		
Total	39	6055.38			

Appendix 10 Analysis of variance table for percentage of adult *Sitophilus oryzae* (rice weevil) mortality in rice seed treated with ozone 1.25 mg/g rice seed/hr at various time

Source	DF	SS	MS	F	P
Ozonation time	4	27688.0	6922.00	519	0.0000
Error	15	200.0	13.33		
Total	19	27888.0			

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