

APPENDIX

Table 18. Analysis of variance (AOV) for percent turfgrass ground cover for traffic on native soil in 2010, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	13 Aug	21 Aug	28 Aug	3 Sept	9 Sept	17 Sept	24 Sept	4 Oct	10 Oct	15 Oct	22 Oct	12 Nov
Replication/Block	2												
Treatments	23	NS	NS	NS	*	NS	NS	NS	*	*	*	*	*
Error	46												

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 19. Analysis of variance (AOV) for turfgrass quality for traffic on native soil in 2010, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	13 Aug	21 Aug	28 Aug	3 Sept	9 Sept	17 Sept	24 Sept	4 Oct	10 Oct	15 Oct	22 Oct	12 Nov
Replication/Block	2												
Treatments	23	NS	*	*	NS	NS	*	*	*	NS	*	*	*
Error	46												

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 20. Analysis of variance (AOV) for Turf Shear Tester for traffic on native soil in 2010, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	30 July	27 Aug	17 Sept	12 Nov
Replication/Block	2				
Treatments	23	NS	*	*	NS
Error	46				

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 21. Analysis of variance (AOV) for Clegg Hammer for traffic on native soil in 2010, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	30 July	27 Aug	17 Sept	18 Oct	12 Nov
Replication/Block	2					
Treatment	23	NS	NS	NS	NS	NS
Error	46					

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 22. Analysis of variance (AOV) for Shear Vane for traffic on native soil in 2010, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	30 July	27 Aug	17 Sept	18 Oct	12 Nov
Replication/Block	2					
Treatment	23	*	NS	NS	NS	NS
Error	46					

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 23. Analysis of variance (AOV) for percent turfgrass ground cover for traffic on native soil in 2011, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	18 Aug	23 Aug	30 Aug	7 Sept	14 Sept	21 Sept	28 Sept	5 Oct	12 Oct	20 Oct	26 Oct	2 Nov
Replication/Block	2												
Treatments	23	NS	NS	NS	NS	*	*	NS	*	*	*	*	NS
Error	46												

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 24. Analysis of variance (AOV) for turfgrass quality for traffic on native soil in 2011, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	18 Aug	23 Aug	30 Aug	7 Sept	14 Sept	21 Sept	28 Sept	5 Oct	12 Oct	20 Oct	26 Oct	2 Nov
Replication/Block	2												
Treatments	23	NS	*	*	*	*	NS	*	*	*	NS	*	NS
Error	46												

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 25. Analysis of variance (AOV) for Turf Shear Tester for traffic on native soil in 2011, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	5 Aug	23 Aug	7 Sept	21 Sept	5 Oct	26 Oct	2 Nov
Replication/Block	2							
Treatments	23	NS	NS	NS	NS	*	NS	NS
Error	46							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 26. Analysis of variance (AOV) for Clegg Hammer for traffic on native soil in 2011, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	5 Aug	23 Aug	7 Sept	21 Sept	5 Oct	26 Oct	2 Nov
Replication/Block	2							
Treatments	23	NS	NS	*	NS	NS	NS	NS
Error	46							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 27. Analysis of variance (AOV) for Shear Vane for traffic on native soil in 2011, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	5 Aug	23 Aug	7 Sept	21 Sept	5 Oct	26 Oct	2 Nov
Replication/Block	2							
Treatments	23	*	NS	NS	*	NS	NS	NS
Error	46							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 28. Analysis of variance (AOV) for percent turfgrass ground cover for traffic on topdressing over native soil in 2010, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	13 Aug	21 Aug	28 Aug	3 Sept	9 Sept	17 Sept	24 Sept	4 Oct	10 Oct	15 Oct	22 Oct	12 Nov
Replication/Block	2												
Treatments	23	NS	NS	*	*	*	*	*	*	*	*	*	*
Error	46												

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 29. Analysis of variance for (AOV) turfgrass quality for traffic on topdressing over native soil in 2010, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	13 Aug	21 Aug	28 Aug	3 Sept	9 Sept	17 Sept	24 Sept	4 Oct	10 Oct	15 Oct	22 Oct	12 Nov
Replication/Block	2	NS											
Treatments	23	NS	*	*	*	*	*	*	*	*	*	*	*
Error	46												

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 30. Analysis of variance (AOV) for Turf Shear Tester for traffic on topdressing over native soil in 2010, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	30 July	27 Aug	17 Sept	12 Nov
Replication/Block	2				
Treatments	23	NS	NS	NS	*
Error	46				

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 31. Analysis of variance (AOV) for Clegg Hammer for traffic on topdressing over native soil in 2010, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	30 July	27 Aug	17 Sept	18 Oct	12 Nov
Replication/Block	2					
Treatment	23	NS	NS	NS	NS	NS
Error	46					

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 32. Analysis of variance (AOV) for Shear Vane for traffic on topdressing over native soil in 2010, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	30 July	27 Aug	17 Sept	18 Oct	12 Nov
Replication/Block	2					
Treatment	23	*	NS	*	*	*
Error	46					

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 33. Analysis of variance (AOV) for percent turfgrass ground cover for traffic on topdressing over native soil in 2011, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	18 Aug	23 Aug	30 Aug	7 Sept	14 Sept	21 Sept	28 Sept	5 Oct	12 Oct	20 Oct	26 Oct	2 Nov
Replication/Block	2												
Treatments	23	NS	NS	*	NS	NS	NS	NS	NS	*	*	NS	*
Error	46												

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 34. Analysis of variance (AOV) for turfgrass quality for traffic on topdressing over native soil in 2011, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	18 Aug	23 Aug	30 Aug	7 Sept	14 Sept	21 Sept	28 Sept	5 Oct	12 Oct	20 Oct	26 Oct	2 Nov
Replication/Block	2												
Treatments	23	NS	NS	NS	NS	NS	*	*	NS	*	*	*	NS
Error	46												

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 35. Analysis of variance (AOV) for Turf Shear Tester for traffic on topdressing over native soil in 2011, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	5 Aug	23 Aug	7 Sept	21 Sept	5 Oct	26 Oct	2 Nov
Replication/Block	2							
Treatments	23	NS	*	NS	NS	NS	NS	NS
Error	46							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 36. Analysis of variance (AOV) for Clegg Hammer for traffic on topdressing over native soil in 2011, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	5 Aug	23 Aug	7 Sept	21 Sept	5 Oct	26 Oct	2 Nov
Replication/Block	2							
Treatments	23	NS	*	NS	NS	NS	NS	NS
Error	46							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 37. Analysis of variance (AOV) for Shear Vane for traffic on topdressing over native soil in 2011, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	5 Aug	23 Aug	7 Sept	21 Sept	5 Oct	26 Oct	2 Nov
Replication/Block	2							
Treatments	23	NS	*	NS	NS	NS	*	NS
Error	46							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 38. Analysis of variance (AOV) for turfgrass quality under dollar spot pressure in 2010, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	9 July	19 July	13 Aug	21 Aug	29 Aug	6 Sept	17 Sept
Total	41							
Treatment	13	NS	NS	NS	*	NS	*	NS
Error	28							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 39. Analysis of variance (AOV) for dollar spot infection centers on Kentucky bluegrass blends and monostands in 2010, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	9 July	19 July	13 Aug	21 Aug	29 Aug	6 Sept	17 Sept
Total	41							
Treatment	13	NS	NS	NS	NS	NS	*	NS
Error	28							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 40. Analysis of variance (AOV) for percent dollar spot infected turfgrass cover of Kentucky bluegrass blends and monostands in 2010, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	9 July	19 July	13 Aug	21 Aug	29 Aug	6 Sept	17 Sept
Total	41							
Treatment	13	NS	*	NS	NS	NS	*	*
Error	28							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 41. Analysis of variance (AOV) for turfgrass quality under dollar spot pressure in 2011, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	25 July	5 Aug	18 Aug	23 Aug	30 Aug	7 Sept	18 Sept
Total	41							
Treatment	13	NS	NS	NS	NS	NS	*	*
Error	28							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 42. Analysis of variance (AOV) for dollar spot infection centers on Kentucky bluegrass blends and monostands in 2011, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	25 July	5 Aug	18 Aug	23 Aug	30 Aug	7 Sept	18 Sept
Total	41							
Treatment	13	NS	NS	NS	NS	*	*	*
Error	28							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 43. Analysis of variance (AOV) for percent dollar spot infected turfgrass cover of Kentucky bluegrass blends and monostands in 2011, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	25 July	5 Aug	18 Aug	23 Aug	30 Aug	7 Sept	18 Sept
Total	41							
Treatment	13	NS	NS	NS	NS	*	*	*
Error	28							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 44. Analysis of variance (AOV) for turfgrass quality under dollar spot pressure on a high, sand-based rootzone in 2011, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	25 July	5 Aug	18 Aug	23 Aug	30 Aug	7 Sept	15 Sept
Replication	2							
Treatment	13	NS	NS	*	NS	*	NS	*
Error	26							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 45. Analysis of variance (AOV) for dollar spot infection centers on Kentucky bluegrass blends and monostands on a high, sand-based rootzone in 2011, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	25 July	5 Aug	18 Aug	23 Aug	30 Aug	7 Sept	15 Sept
Replication	2							
Treatment	13	NS	NS	NS	*	NS	NS	*
Error	26							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 46. Analysis of variance (AOV) for percent dollar spot infected turfgrass cover of Kentucky bluegrass blends and monostands on a high, sand-based rootzone in 2011, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	25 July	5 Aug	18 Aug	23 Aug	30 Aug	7 Sept	15 Sept
Replication	2							
Treatment	13	NS	NS	NS	*	NS	NS	*
Error	26							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 47. Analysis of variance (AOV) for Normalized Difference Vegetation Index on Kentucky bluegrass blends and monostands under bispyribac-sodium stress in 2010, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	15 June	29 June	2 July	6 July	12 July	19 July	23 July
Total	17							
Treatment	5	NS	*	*	*	*	*	NS
Error	12							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 48. Analysis of variance (AOV) for turfgrass quality on Kentucky bluegrass blends and monostands under bispyribac-sodium stress in 2010, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	15 June	29 June	2 July	6 July	12 July	19 July	23 July
Total	17							
Treatment	5	NS	*	*	*	*	*	*
Error	12							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 49. Analysis of variance (AOV) for percent blighted tissue on Kentucky bluegrass blends and monostands under bispyribac-sodium stress in 2010, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	15 June	29 June	2 July	6 July	12 July	19 July	23 July
Total	17							
Treatment	5	NS	*	*	*	*	*	*
Error	12							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 50. Analysis of variance (AOV) for Normalized Difference Vegetation Index on Kentucky bluegrass blends and monostands under bispyribac-sodium stress in 2011, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	23 Aug	30 Aug	6 Sept	12 Sept	15 Sept	21 Sept	26 Sept
Replication	2							
Treatment	13	NS	NS	NS	NS	*	*	NS
Error	26							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 51. Analysis of variance (AOV) for turfgrass quality on Kentucky bluegrass blends and monostands under bispyribac-sodium stress in 2011, results obtained at HTRC, East Lansing, MI.

Source of Variation	df	23 Aug	30 Aug	6 Sept	12 Sept	15 Sept	21 Sept	26 Sept
Replication	2							
Treatment	13	NS	NS	NS	NS	NS	*	NS
Error	26							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.

Table 52. Analysis of variance (AOV) for percent blighted tissue on Kentucky bluegrass blends and monostands under bispyribac-sodium stress in 2011, results obtained at HTRC, East Lansing, MI

Source of Variation	df	23 Aug	30 Aug	6 Sept	12 Sept	15 Sept	21 Sept	26 Sept
Replication	2							
Treatment	13	NS	NS	NS	NS	NS	*	NS
Error	26							

* and NS indicate significant and not significant at the $\alpha = 0.05$ probability level, respectively.