

**Table 1. Treatment list, frequency, and application method for tall fescue study.**

TRT	Product	Formulation	Rate	Units	Frequency/timing	ml/plot	Spray volume (gallons/1000 ft <sup>2</sup> )	Application method
1	Control						0	
2	Tenacity	4 SC	8	fl oz/A	2 app, 3 wks apart	0.136	2	Lawn care gun
3	Tenacity	4 SC	16	fl oz/A	2 app, 3 wks apart	0.272	2	Lawn care gun
4	Tenacity	4 SC	24	fl oz/A	2 app, 3 wks apart	0.408	2	Lawn care gun
5	Tenacity	4 SC	8	fl oz/A	2 app, 3 wks apart	0.136	2	Flat fan boom
6	Tenacity	4 SC	16	fl oz/A	2 app, 3 wks apart	0.272	2	Flat fan boom
7	Tenacity	4 SC	24	fl oz/A	2 app, 3 wks apart	0.408	2	Flat fan boom

**Table 2. Treatment list, frequency, and application method for perennial ryegrass study.**

TRT	Product	Formulation	Rate	Units	Frequency/timing	Spray volume (gallons/1000 ft <sup>2</sup> )	ml/plot	Application method
1	Control						0	
2	Tenacity	4 SC	5	fl oz/A	2 app, 3 wks apart	2	0.085	Lawn care gun
3	Tenacity	4 SC	10	fl oz/A	2 app, 3 wks apart	2	0.17	Lawn care gun
4	Tenacity	4 SC	15	fl oz/A	2 app, 3 wks apart	2	0.255	Lawn care gun
5	Tenacity	4 SC	5	fl oz/A	2 app, 3 wks apart	2	0.085	Flat fan boom
6	Tenacity	4 SC	10	fl oz/A	2 app, 3 wks apart	2	0.17	Flat fan boom
7	Tenacity	4 SC	15	fl oz/A	2 app, 3 wks apart	2	0.255	Flat fan boom

**Table 3. Perennial ryegrass quality ratings. Ratings based on 9-1 scale, with 9 = highest quality; 1 = lowest quality; 6 = minimally acceptable turf.**

Treatment	Quality							
	May 28	June 4	June 11	June 18	June 25	July 2	July 9	
1	9.0	9.0	9.0	9.0	9.0	9.0	9.0	
2	8.0	5.7	8.0	7.3	7.7	7.3	8.3	
3	7.0	3.0	6.3	5.3	4.3	5.3	7.7	
4	6.0	2.0	5.0	3.0	2.7	4.0	6.3	
5	7.3	7.0	7.7	7.7	7.7	7.7	9.0	
6	7.0	4.7	7.7	6.3	5.0	6.3	9.0	
7	6.3	3.3	7.0	4.0	3.3	4.3	8.3	
LSD (0.05)	0.6	0.7	0.7	0.8	1.0	1.3	0.7	

**Table 4. Perennial ryegrass percentage damage and crabgrass percentage cover.**

Treatment	Percentage damage								Crabgrass
	May 28	June 4	June 11	June 18	June 25	July 2	July 9	Aug 18	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7
2	8.3	15.0	2.3	3.7	3.0	3.7	1.7		4.7
3	18.3	41.7	13.3	18.3	28.3	16.7	3.3		6.0
4	40.0	66.7	25.0	68.3	53.3	35.0	13.3		6.7
5	11.7	5.0	1.3	4.3	3.0	2.0	0.0		3.0
6	15.0	26.7	3.0	10.0	21.7	9.0	0.0		4.3
7	31.7	33.3	8.3	36.7	35.0	33.3	2.0		7.7
LSD (0.05)	13.5	11.9	6.1	7.0	8.3	7.7	2.9		NS

**Table 5. Tall fescue quality ratings. Ratings based on 9-1 scale, with 9 = highest quality; 1 = lowest quality; 6 = minimally acceptable turf.**

Treatment	Quality							
	May 28	June 4	June 11	June 18	June 25	July 2	July 9	
1	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
2	8.0	6.3	7.3	5.7	4.3	4.7	6.7	
3	7.0	3.3	5.7	3.7	2.3	2.7	5.0	
4	6.7	2.0	2.0	2.0	1.0	2.0	3.0	
5	7.3	6.7	8.0	5.3	4.7	5.3	7.3	
6	7.0	4.7	7.0	4.0	2.3	3.0	5.0	
7	6.7	3.0	4.3	3.0	1.3	1.3	2.7	
LSD (0.05)	1.0	1.0	1.4	0.7	0.8	1.1	1.4	

**Table 6. Tall fescue percentage damage and crabgrass percentage cover.**

Treatment	Percentage damage									Crabgrass
	May 28	June 4	June 11	June 18	June 25	July 2	July 9	July 23	Aug 6	Aug 18
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0
2	10.0	10.0	5.7	33.3	38.3	23.3	10.0	5.7	5.0	4.3
3	13.3	58.3	23.3	56.7	71.7	50.0	21.7	16.7	13.3	13.0
4	25.0	81.7	68.3	85.0	88.3	75.0	46.7	28.3	23.3	12.7
5	15.0	8.3	1.0	33.3	33.3	20.0	12.7	2.7	4.0	2.0
6	21.7	38.3	10.3	58.3	66.7	48.3	16.7	15.3	7.3	6.3
7	26.7	76.7	35.0	75.0	91.7	81.7	51.7	38.3	23.3	16.7
LSD (0.05)	NS	12.5	13.9	9.3	18.7	15.0	11.9	9.8	7.9	NS