

Table 2. Ryegrass yields, Holly Springs.

Variety	Harvest date		Total yield
	4/10/17	5/11/17	
	<i>lb/A</i>	<i>lb/A</i>	<i>lb/A</i>
Attain	3723	4025	7748
BAR LM 14167-1	3595	4020	7615
BAR LM 14167-4	2478	4259	6736
BAR LM 15425	2013	4312	6325
BAR LM 15426	1897	4860	6757
BAR LM 15427	2721	4440	7161
BAR LM 15476	2959	4280	7239
BAR LM 16168-1	2692	3444	6137
BAR LM 16168-2	2314	4068	6382
BAR LM 16488	1611	4613	6224
BAR LM 16498	3687	4287	7973
BAR LM 16502	1813	4283	6096
Big Boss	2480	4395	6874
Centurion	3208	4387	7596
Diamond T	3038	3828	6867
Dipper	3021	3978	6999
Flying A	4407	3622	8028
Fria	4008	3985	7992
GO-16LN	3424	4128	7551
Jackson	4401	3824	8224
Jumbo	3727	4238	7965
Lonestar	3758	3904	7662
M2GVS	1898	4393	6291
Marshall	2720	4028	6749
Maximus	2281	3919	6200
ME4	3073	4701	7774
ME-94	2812	4846	7657
Nelson	2399	4745	7144
Passerel Plus	3677	4079	7756
PPG-LWT 105	2581	3969	6550
PS12	3650	4025	7675
PS15	3777	3777	7554
Sarg-Fl	3019	4253	7272
TAMTBO	3481	3973	7455
Tetibear	4470	4187	8657
Tetrastar	3666	3572	7237
Winterhawk	3965	3746	7711
WMWL	3874	4113	7986
Mean	3114	4145	7258
CV, %	38	13	18
LSD (0.05)	1652	738	NS ¹

¹NS: Not Significant
Planted: 10/14/16
Soil type: Grenada Silt Loam

Fertilizer: 300 lb/A of 15-5-10 at planting and 50 lb/A of N (33-0-0S) after each harvest

Table 3. Ryegrass yields, Starkville.

Variety	Harvest date			Total yield
	3/21/17	4/20/17	5/19/17	
	<i>lb/A</i>	<i>lb/A</i>	<i>lb/A</i>	<i>lb/A</i>
Attain	2166	3815	2363	8344
BAR LM 14167-1	1359	3793	2009	7162
BAR LM 14167-4	1260	3844	1986	7090
BAR LM 15425	1228	4153	2703	8084
BAR LM 15426	549	3435	1996	5980
BAR LM 15427	1162	3255	2181	6597
BAR LM 15476	1314	3406	2035	6755
BAR LM 16168-1	1378	3998	1484	6860
BAR LM 16168-2	581	3000	1355	4936
BAR LM 16488	828	3012	1915	5754
BAR LM 16498	885	3445	2250	6580
BAR LM 16502	580	2491	2367	5438
Big Boss	2078	3360	2225	7663
Centurion	1747	4290	1984	8020
Diamond T	2784	4381	2559	9724
Dipper	2297	3736	1875	7908
Flying A	1681	3544	1339	6564
Fria	1738	3420	1583	6740
GO-16LN	1478	3422	2151	7051
Jackson	1956	3801	1614	7372
Jumbo	1973	3442	2170	7585
Lonestar	2162	3141	1694	6998
M2GVS	886	3596	2364	6845
Marshall	1682	3744	2094	7519
Maximus	2855	3824	2080	8759
ME4	2123	3609	2158	7889
ME-94	2309	3687	1809	7805
Nelson	2608	3592	2201	8400
Passerel Plus	1881	4130	1808	7819
PPG-LWT 105	1753	3577	2494	7823
PS12	1940	3762	1555	7256
PS15	2425	3673	1974	8071
Sarg-Fl	3233	3350	1836	8418
TAMTBO	1488	3221	2328	7037
Tetibear	2291	3807	1877	7974
Tetrastar	1375	3208	1744	6327
Winterhawk	2272	3410	1388	7070
WMWL	646	3722	1868	6236
Mean	1709	3581	1984	7275
CV, %	54	23	22	24
LSD (0.05)	1312	NS ¹	616	NS ¹

¹NS: Not Significant

Planted: 10/7/16

Soil type: Marietta Fine Sandy Loam

Fertilizer: 300 lb/A of 15-5-10 at planting and 50 lb/A of N (33-0-0S) after each harvest
Herbicide: 1 qt/A of GrazonNext® (aminopyralid and 2,4-D) after first harvest

Table 4. Ryegrass yields, Newton.

Variety	Harvest date				Total yield
	2/17/17	3/10/17	3/27/17	4/18/17	
	lb/A	lb/A	lb/A	lb/A	lb/A
Attain	396	946	1423	1507	4272
BAR LM 14167-1	429	857	1596	1637	4518
BAR LM 14167-4	374	1052	1617	1545	4588
BAR LM 15425	157	873	1342	1469	3841
BAR LM 15426	327	841	1761	1473	4402
BAR LM 15427	310	902	1562	1451	4224
BAR LM 15476	180	927	1546	1446	4098
BAR LM 16168-1	405	1110	1470	1156	4142
BAR LM 16168-2	261	832	1553	1112	3757
BAR LM 16488	199	931	1620	1517	4267
BAR LM 16498	165	910	1354	1637	4066
BAR LM 16502	89	749	1424	1583	3845
Big Boss	370	1099	1487	1609	4565
Centurion	475	1268	1671	1495	4908
Diamond T	248	981	1690	1370	4290
Dipper	465	1250	1399	1336	4449
Flying A	413	1103	1627	1508	4651
Fria	287	982	1522	1324	4115
GO-16LN	358	922	1137	1202	3619
Jackson	258	1023	1618	1442	4340
Jumbo	311	992	1441	1322	4066
Lonestar	572	1201	1295	1073	4141
M2GVS	132	1094	1467	1807	4500
Marshall	366	1147	1912	1547	4972
Maximus	387	1085	1588	1536	4596
ME4	276	1317	1920	1665	5178
ME-94	130	1042	1711	1464	4348
Nelson	431	1168	1750	1509	4858
Passerel Plus	273	1095	1524	1293	4185
PPG-LWT 105	406	1052	1615	1486	4559
PS12	596	1112	1838	1333	4879
PS15	375	1054	2054	1331	4814
Sarg-Fl	416	1279	1246	1332	4273
TAMTBO	314	1082	1799	1485	4680
Tetibear	421	1060	1362	1631	4473
Tetrastar	542	958	1584	1243	4327
Winterhawk	282	1366	1352	1264	4264
WMWL	452	1058	1603	1668	4780
Mean	338	1045	1565	1442	4391
CV, %	58	21	21	21	13
LSD (0.05)	276	311	NS ¹	NS	NS

¹NS: Not significant

Planted: 10/17/16

Soil type: Prentiss Sandy Loam

Fertilizer: 300 lb/A of 15-5-10 at planting and 50 lb/A of N (33-0-0S) after each harvest

Herbicide: 1 qt/A of GrazonNext® (aminopyralid and 2,4-D) after first harvest

Table 5. Ryegrass yields, Poplarville.

Variety	Harvest date			Total yield
	2/17/17	3/29/17	4/26/17	
	<i>lb/A</i>	<i>lb/A</i>	<i>lb/A</i>	<i>lb/A</i>
Attain	1136	4445	1580	7161
BAR LM 14167-1	1466	3195	2029	6689
BAR LM 14167-4	923	2628	1737	5288
BAR LM 15425	961	3660	2119	6739
BAR LM 15426	305	1795	2214	4314
BAR LM 15427	1274	3286	1746	6306
BAR LM 15476	1737	3258	1743	6738
BAR LM 16168-1	887	2996	1015	4897
BAR LM 16168-2	611	3141	985	4737
BAR LM 16488	673	1878	2150	4700
BAR LM 16498	1142	3269	2138	6549
BAR LM 16502	1272	3182	2455	6909
Big Boss	1578	4607	1603	7788
Centurion	1426	3034	1166	5626
Diamond T	1985	3938	1578	7500
Dipper	1265	3866	1284	6415
Flying A	1076	3771	651	5498
Fria	1478	3128	1596	6201
GO-16LN	1132	3026	1411	5570
Jackson	777	3392	1007	5175
Jumbo	1215	3078	2012	6304
Lonestar	1773	2815	1428	6015
M2GVS	569	3324	1654	5547
Marshall	1059	2564	1771	5395
Maximus	1599	3721	1625	6945
ME4	1662	3821	1728	7211
ME-94	1110	3218	1299	5626
Nelson	1626	3795	1885	7306
Passerel Plus	988	2699	1451	5138
PPG-LWT 105	1384	4006	2061	7451
PS12	1508	3742	1786	7036
PS15	1242	3835	1837	6913
Sarg-Fl	1479	4370	924	6772
TAMTBO	1657	3816	2243	7715
Tetibear	1496	3306	1639	6441
Tetrastar	1623	2639	1881	6143
Winterhawk	1171	3839	1196	6205
WMWL	809	3225	1309	5344
Mean	1239	3350	1630	6218
CV, %	49	25	34	23
LSD (0.05)	NS ¹	1163	771	1973

¹NS: Not significant
Planted: 10/18/16
Soil type: Basin Loam

Fertilizer: 300 lb/A of 15-5-10 at planting and 50 lb/A of N (33-0-0S) after each harvest
Herbicide: 1 qt/A of GrazonNext® (aminopyralid and 2,4-D) after first harvest

Table 6. Ryegrass yields by ploidy level, Holly Springs.

Ploidy	Harvest date		Total yield
	4/10/17	5/11/17	
	<i>lb/A</i>	<i>lb/A</i>	<i>lb/A</i>
Diploid	3294	4123	7417
Tetraploid	2963	4157	7120
Mean	3129	4140	7269
CV, %	41	13	18
LSD (0.05)	NS ¹	NS	NS
¹ NS: Not significant			

Table 7. Ryegrass yields by ploidy level, Starkville.

Ploidy	Harvest date			Total yield
	3/21/17	4/20/17	5/19/17	
	<i>lb/A</i>	<i>lb/A</i>	<i>lb/A</i>	<i>lb/A</i>
Diploid	1807	3622	1784	7213
Tetraploid	1717	3542	2151	7410
Mean	1762	3582	1968	7311
CV, %	40	22	24	25
LSD (0.05)	NS ¹	NS	158	NS
¹ NS: Not significant				

Table 8. Ryegrass yields by ploidy level, Newton.

Variety	Harvest date				Total yield
	2/17/17	3/10/17	3/27/17	4/18/17	
	<i>lb/A</i>	<i>lb/A</i>	<i>lb/A</i>	<i>lb/A</i>	<i>lb/A</i>
Diploid	326	1098	1638	1394	4456
Tetraploid	342	1007	1504	1470	4323
Mean	334	1052	1571	1432	4390
CV, %	42	23	22	21	14
LSD (0.05)	NS ¹	78	111	NS	NS
¹ NS: Not significant					

Table 9. Ryegrass yields by ploidy level, Poplarville.

Ploidy	Harvest date			Total yield
	2/17/17	3/29/17	4/26/17	
	<i>lb/A</i>	<i>lb/A</i>	<i>lb/A</i>	<i>lb/A</i>
Diploid	1161	3279	1413	5853
Tetraploid	1334	3444	1803	6581
Mean	1248	3362	1608	6217
CV, %	45	28	37	24
LSD (0.05)	NS ¹	NS	198	491
¹ NS: Not significant				