

2011 Marshall Farm switchgrass weights
 October 3-8, 2011

ID#	Bale		Moisture %			
	Weight (lbs)	Type	Reading 1	Reading 2	Reading 3	Average
1	870	Round	17.4	20.9	20.9	19.7
2	823	Round	22	20.2	22.8	21.7
3	867	Round	25.4	21.3	23.9	23.5
4	868	Round	27.2	21.5	24.5	24.4
5	843	Round	33.7	22.7	25.1	27.2
6	811	Round	19.6	20.3	16.6	18.8
7	790	Round	22.6	22.3	19.1	21.3
8	872	Round	26.8	19.2	19.4	21.8
9	976	Round	32.4	37.7	40.6	36.9
10	967	Round	21.6	22.8	23	22.5
11	1080	Round	14.2	14.5	14.5	14.4
12	851	Round	27.7	24	20.4	24.0
13	767	Round	18.2	18.1	20.3	18.9
14	820	Round	22.4	20.3	16.4	19.7
15	834	Round	36.7	29.3	28.5	31.5
16	846	Round	23.1	29	28.1	26.7
17	867	Round	18	17.6	17.5	17.7
18	877	Round	21.9	25	25.6	24.2
19	813	Round	27.1	30.3	23.9	27.1
20	853	Round	16.7	17.8	15.2	16.6
21	860	Round	18.4	15.6	14.5	16.2
22	802	Round	14.2	16.4	16.5	15.7
23	829	Round	24.1	20.6	22.4	22.4
24	814	Round	14.5	16.8	14.5	15.3
25	782	Round	16.6	16.8	14.5	16.0
26	864	Round	15.8	14.4	15	15.1
27	838	Round	16.5	14.4	16.8	15.9
28	927	Round	17.4	17.9	16.9	17.4
29	801	Round	18.4	20.9	15.5	18.3
30	876	Round	18.3	20.9	16.7	18.6
31	836	Round	19.7	16.5	15.9	17.4
32	782	Round	14.5	14.5	14.5	14.5
33	775	Round	23.9	20.8	20.3	21.7
34	886	Round	14.2	17.4	14.5	15.4
35	1049	Round	20.1	21.6	20.6	20.8
36	916	Round	14.4	14.7	16.9	15.3
37	804	Round	21.8	20.8	19.6	20.7
38	775	Round	24	28.5	20	24.2
39	820	Round	16.7	16.6	16.9	16.7
40	804	Round	17.8	20.1	19.5	19.1
41	795	Round	15.2	18.3	15.1	16.2
42	703	Round	24.9	26.5	23	24.8
43	817	Round	23.1	23.6	30.1	25.6
44	752	Round	19.2	22.4	21.2	20.9
45	807	Round	14.5	14.5	14.5	14.5
46	729	Round	21.3	21.9	23.8	22.3
47	831	Round	20.4	24.1	25.8	23.4
48	755	Round	24.5	15.5	17.7	19.2

ID#	Bale		Moisture %			
	Weight (lbs)	Type	Reading 1	Reading 2	Reading 3	Average
49	942	Round	14.5	14.5	14.5	14.5
50	724	Round	14.5	14.5	14.5	14.5
51	774	Round	14.5	14.5	14.5	14.5
52	764	Round	15	14.2	15.2	14.8
53	795	Round	14.2	14.5	14.2	14.3
54	905	Round	17.8	25.8	26.7	23.4
55	845	Round	31	31.9	28.5	30.5
56	887	Round	27.6	39.6	25.1	30.8
57	728	Round	22.3	22.9	18.4	21.2
58	756	Round	19.7	16.4	14.2	16.8
59	882	Round	14.5	14.5	14.5	14.5
60	852	Round	14.5	14.5	14.5	14.5
61	900	Round	14.5	14.5	14.5	14.5
62	867	Round	14.5	14.5	14.5	14.5
63	813	Round	14.5	14.5	14.5	14.5
64	835	Round	14.5	14.5	14.5	14.5
65	838	Round	14.5	14.5	14.5	14.5
66	700	Round	14.5	14.5	14.5	14.5
67	848	Round	14.5	14.5	14.5	14.5
68	762	Round	14.5	14.5	14.5	14.5
69	755	Round	14.5	14.5	14.5	14.5
70	787	Round	14.5	14.5	14.5	14.5
71	758	Round	14.5	14.5	14.5	14.5
72	796	Round	14.5	14.5	14.5	14.5
73	755	Round	14.5	14.5	14.5	14.5
74	799	Round	14.5	14.5	14.5	14.5
75	693	Round	14.5	14.5	14.5	14.5
76	759	Round	14.5	14.5	14.5	14.5
77	819	Round	14.5	14.5	14.5	14.5
78	991	Round	14.5	14.5	14.5	14.5
79	823	Round	14.5	14.5	14.5	14.5
80	727	Round	14.5	14.5	14.5	14.5
81	738	Round	14.5	14.5	14.5	14.5
82	813	Round	14.5	14.5	14.5	14.5
83	791	Round	14.5	14.5	14.5	14.5
84	846	Round	14.5	14.5	14.5	14.5
85	756	Round	14.5	14.5	14.5	14.5
86	746	Round	14.5	14.5	14.5	14.5
87	780	Round	14.5	14.5	14.5	14.5
88	788	Round	14.5	14.5	14.5	14.5
89	803	Round	14.5	14.5	14.5	14.5
90	675	Round	14.5	14.5	14.5	14.5
91	711	Round	14.5	14.5	14.5	14.5
92	728	Round	14.5	14.5	14.5	14.5
93	833	Round	14.5	14.5	14.5	14.5
94	778	Round	14.5	14.5	14.5	14.5
95	713	Round	14.5	14.5	14.5	14.5
96	716	Round	14.5	14.5	14.5	14.5
97	800	Round	14.5	14.5	14.5	14.5
98	854	Round	14.5	14.2	14.5	14.4

ID#	Bale		Moisture %			
	Weight (lbs)	Type	Reading 1	Reading 2	Reading 3	Average
99	789	Round	14.5	14.5	14.5	14.5
100	789	Round	14.5	14.5	14.5	14.5
101	746	Round	14.5	14.5	14.5	14.5
102	735	Round	14.5	14.5	14.5	14.5
103	773	Round	14.5	14.5	14.5	14.5
104	763	Round	14.5	14.5	14.5	14.5
105	724	Round	14.5	14.5	14.5	14.5
106	678	Round	19.2	14.5	14.5	16.1
107	719	Round	14.5	14.5	14.5	14.5
108	948	Round	14.5	14.5	14.5	14.5
109	803	Round	17.3	14.6	17.5	16.5
110	726	Round	14.5	14.5	14.5	14.5
111	759	Round	14.5	14.5	14.5	14.5
112	747	Round	14.5	14.5	14.5	14.5
113	826	Round	14.5	14.5	14.8	14.6
114	700	Round	14.5	14.8	15.1	14.8
115	756	Round	14.2	14.5	14.5	14.4
116	724	Round	14.5	14.5	14.5	14.5
117	716	Round	16.7	14.5	14.5	15.2
118	676	Round	24.6	24.1	22.1	23.6
119	859	Round	21.6	21.2	14.5	19.1
120	683	Round	18.5	14.5	21.9	18.3
121	753	Round	14.5	14.5	14.5	14.5
122	744	Round	15.1	16.6	17	16.2
123	713	Round	17.3	16.5	20.3	18.0
124	708	Round	14.5	27.5	17.7	19.9
125	740	Round	14.5	15.6	16.3	15.5
126	712	Round	17	14.2	14.5	15.2
127	717	Round	15.9	14.5	14.5	15.0
128	733	Round	16.9	17.1	14.9	16.3
129	729	Round	18.4	19.6	14.8	17.6
130	728	Round	14.5	14.5	14.5	14.5
131	892	Round	14.5	14.5	14.5	14.5
132	777	Round	14.5	14.5	14.5	14.5
133	709	Round	14.5	14.5	14.5	14.5
134	692	Round	14.5	14.5	14.5	14.5
135	840	Round	24.7	14.5	14.5	17.9
136	763	Round	14.5	14.5	14.5	14.5
137	731	Round	14.5	14.5	14.5	14.5
138	704	Round	14.5	14.5	14.5	14.5
139	787	Round	14.5	14.5	14.5	14.5
140	742	Round	14.5	14.5	14.5	14.5
141	734	Round	14.5	14.5	14.5	14.5
142	718	Round	14.5	14.5	14.5	14.5
143	732	Round	14.5	14.5	14.5	14.5
144	749	Round	15.5	14.5	14.5	14.8
145	726	Round	14.8	14.5	14.5	14.6
146	732	Round	14.5	14.5	14.5	14.5
147	690	Round	14.5	14.5	14.5	14.5
148	737	Round	14.5	14.5	14.5	14.5

ID#	Bale		Moisture %			
	Weight (lbs)	Type	Reading 1	Reading 2	Reading 3	Average
149	644	Round	14.5	14.5	14.5	14.5
150	780	Round	14.5	14.5	14.2	14.4
151	665	Round	14.5	14.5	14.5	14.5
152	725	Round	14.5	14.5	14.5	14.5
153	728	Round	14.5	20.6	14.5	16.5
154	766	Round	14.5	14.5	14.5	14.5
155	726	Round	14.5	14.5	14.5	14.5
156	701	Round	14.5	16.4	24.7	18.5
157	790	Round	14.5	14.5	14.5	14.5
158	880	Round	14.5	14.5	14.5	14.5
159	676	Round	14.5	14.5	14.5	14.5
160	754	Round	14.9	14.2	14.5	14.5
161	790	Round	14.5	14.2	16.4	15.0
162	776	Round	14.5	14.5	14.5	14.5
163	801	Round	14.5	14.5	14.5	14.5
164	759	Round	14.5	14.5	14.5	14.5
165	711	Round	14.5	14.5	14.5	14.5
166	765	Round	14.5	14.5	14.5	14.5
167	702	Round	14.5	14.5	14.5	14.5
168	698	Round	14.5	14.5	14.5	14.5
169	778	Round	14.5	14.5	14.5	14.5
170	705	Round	14.5	16.3	16.8	15.9
171	659	Round	14.5	14.5	14.5	14.5
172	748	Round	14.5	14.5	14.5	14.5
173	773	Round	14.5	14.5	14.5	14.5
174	787	Round	14.2	14.5	14.5	14.4
175	904	Round	14.5	14.5	14.5	14.5
176	735	Round	14.5	14.5	14.5	14.5
177	744	Round	14.5	14.5	14.5	14.5
178	810	Round	17.1	15.3	14.6	15.7
179	731	Round	14.5	14.5	14.5	14.5
180	798	Round	14.5	14.5	14.5	14.5
181	960	Round	14.5	14.5	14.5	14.5
182	754	Round	14.5	14.5	14.5	14.5
183	700	Round	14.5	15.1	14.9	14.8
184	769	Round	15.7	15.2	15.9	15.6
185	754	Round	14.5	14.5	14.5	14.5
186	750	Round	14.5	14.5	14.5	14.5
187	812	Round	14.5	14.5	14.5	14.5
188	772	Round	14.5	14.5	14.5	14.5

Total 147,723 wet weight of all bales (lbs)
123,073 "dry" weight (0% moisture) of all bales (lbs)
16.7% Average moisture for field
785.7606 Average weight per bale (lbs)

4.1 Std.dev (%)
73.1 Std.dev (lbs)

Marshall Farm Switch grass

<u>lbs</u>		<u>%</u>
870	17.4, 20.9, 20.9	14.2 16.6 14.5
873	22.0, 20.2, 22.8	14.5 14.5 14.5
867	25.4, 21.3, 23.9	14.5 14.5 14.5
868	27.2, 21.5, 24.5	14.5 14.5 14.5
843	33.7, 22.7, 25.1	14.5 14.5 14.5
811	19.6, 20.3, 16.6	
790	22.6, 22.3, 19.1	
872	26.8, 19.2, 19.4	
976	32.4, 37.7, 40.6	
967	10 bale Ave. 866.7	21.6, 22.8, 23.0
1080		14.2, 14.5, 14.5
851		27.7, 24.0, 20.4.
767		18.2, 18.1, 20.3
820		22.4, 20.3, 16.4
834		36.7, 29.3, 28.5
846		23.1, 29.0, 28.1
867		18.0, 17.6, 17.5
877		21.9, 25.0, 25.6
813		27.1, 30.3, 23.9
853	10 bale Ave. 860.8	16.7, 17.8, 15.2.
860		18.4, 15.6, 14.5
802		14.2, 16.4, 16.5
829		24.1, 20.6, 22.4
814		14.5, 16.8, 14.5
782		16.6, 16.8, 14.5
864		15.8, 14.4, 15.0
838		16.5, 14.4, 16.8
927		17.4, 17.9, 16.9

Marshall Farm Switch grass

868.7

860.8

839.3

844.7 Ave. 853.4

801

876 10 bale Ave. = 839.3

18.4, 20.9, 15.5

18.3, 20.9, 16.7

836

19.7, 16.5, 15.9

782

14.5, 14.5, 14.5

775

23.9, 20.8, 20.3

886

14.2, 17.4, 14.5

1049

20.1, 21.6, 20.6

916

~~14.4~~, 14.7, 16.9

804

21.8, 20.8, 19.6

775

24.0, 28.5, 20.0

820

16.7, 16.6, 16.9

804 10 bale Ave. = 844.7

17.8, 20.1, 19.5

795

15.2, 18.3, 15.1

703

24.9, 26.5, 23.0

817

23.1, 23.6, 30.1

752

19.2, 22.4, 21.2

807

14.5, 14.5, 14.5

729

21.3, 21.9, 23.8

831

20.4, 24.1, 25.8

755

24.5, ~~15.5~~, 15.5, 17.7

942

14.5, 14.5, 14.5

724

14.5, 14.5, 14.5

774

14.5, 14.5, 14.5

764

15.0, 14.2, 15.2

795

14.2, 14.5, 14.2

905

17.8, 25.8, 26.7

845

~~27.6~~, 31.0, 31.9, 28.5

887

27.6, 39.6, 25.1

#51

Marshall Farm Switch grass

728	728	22.3, 22.9, 18.4
756		19.7, 16.4, 14.2
882		14.5, 14.5, 14.5
852		14.5, 14.5, 14.5
900		14.5, 14.5, 14.5
867		14.5, 14.5, 14.5
813		14.5, 14.5, 14.5
835		14.5, 14.5, 14.5
838		14.5, 14.5, 14.5
706		14.5, 14.5, 14.5
848		14.5, 14.5, 14.5
762		14.5, 14.5, 14.5
755		14.5, 14.5, 14.5
787		14.5, 14.5, 14.5
758		14.5, 14.5, 14.5
796		14.5, 14.5, 14.5
755		14.5, 14.5, 14.5
799		14.5, 14.5, 14.5
799		14.5, 14.5, 14.5
693		14.5, 14.5, 14.5
759		14.5, 14.5, 14.5
819		14.5, 14.5, 14.5
991		14.5, 14.5, 14.5
823		14.5, 14.5, 14.5
727		14.5, 14.5, 14.5
738		14.5, 14.5, 14.5
813		14.5, 14.5, 14.5
791		14.5, 14.5, 14.5
846		14.5, 14.5, 14.5
750		14.5, 14.5, 14.5

#85

~~Marshall Farm Switch grass~~

746 14.5, 14.5, 14.5

780 14.5, 14.5, 14.5

788 14.5, 14.5, 14.5

803 14.5, 14.5, 14.5

675 14.5, 14.5, 14.5

711 14.5, 14.5, 14.5

728 14.5, 14.5, 14.5

833 14.5, 14.5, 14.5

778 14.5, 14.5, 14.5

713 14.5, 14.5, 14.5

716 14.5, 14.5, 14.5

800 14.5, 14.5, 14.5

854 14.5, 14.2, 14.5

789 14.5, 14.5, 14.5

789 14.5, 14.5, 14.5

746 14.5, 14.5, 14.5

735 14.5, 14.5, 14.5

773 14.5, 14.5, 14.5

763 14.5, 14.5, 14.5

724 14.5, 14.5, 14.5

678 19.2, 14.5, 14.5

719 14.5, 14.5, 14.5

948 14.5, 14.5, 14.5

803 17.3, 14.6, 17.5

726 14.5, 14.5, 14.5

759 14.5, 14.5, 14.5

747 14.5, 14.5, 14.5

826 14.5, 14.5, 14.8

700 14.5, 14.8, 15.1

#100

#114

Marshall Farm Switch Grass

- 756 14.2, 14.5, 14.5
724 14.5, 14.5, 14.5
716 16.7, 14.5, 14.5
676 24.6, 24.1, 22.1
859 21.6, 21.2, 14.5
683 18.5, 14.5, 21.9
753 14.5, 14.5, 14.5
744 15.1, 16.6, 17.0
713 17.3, 16.5, 20.3
708 14.5, 27.5, 17.7
740 14.5, 15.6, 16.3
712 17.0, 14.2, 14.5
717 15.9, 14.5, 14.5
733 16.9, 17.1, 14.9
729 18.4, 19.6, 14.8
728 14.5, 14.5, 14.5
892 14.5, 14.5, 14.5
777 14.5, 14.5, 14.5
709 14.5, 14.5, 14.5
692 14.5, 14.5, 14.5
840 (2) 24.7, 14.5, 14.5
763 14.5, 14.5, 14.5
731 14.5, 14.5, 14.5
704 14.5, 14.5, 14.5
787 14.5, 14.5, 14.5
742 14.5, 14.5, 14.5
734 14.5, 14.5, 14.5
718 14.5, 14.5, 14.5
732 14.5, 14.5, 14.5
749 15.5, 14.5, 14.5

#144

Marshall Farm Switch Grass

#150

- 726 14.8, 14.5, 14.5
- 732 14.5, 14.5, 14.5
- 690 14.5, 14.5, 14.5
- 737 14.5, 14.5, 14.5
- 644 14.5, 14.5, 14.5
- 780 14.5, 14.5, 14.2
- 665 14.5, 14.5, 14.5
- 725 14.5, 14.5, 14.5
- 728 14.5, 20.6, 14.5
- 766 14.5, 14.5, 14.5
- 726 14.5, 14.5, 14.5
- 701 14.5, 16.4, 24.7
- 790 14.5, 14.5, 14.5
- 880 14.5, 14.5, 14.5
- 676 14.5, 14.5, 14.5
- 754 14.9, 14.2, 14.5
- 790 14.5, 14.2, 16.4
- 776 14.5, 14.5, 14.5
- 801 14.5, 14.5, 14.5
- 759 14.5, 14.5, 14.5
- 711 14.5, 14.5, 14.5
- 765 14.5, 14.5, 14.5
- 702 14.5, 14.5, 14.5
- 698 14.5, 14.5, 14.5
- 778 14.5, 14.5, 14.5
- 705 14.5, 16.3, 16.8
- 659 14.5, 14.5, 14.5
- 748 14.5, 14.5, 14.5
- 773 14.5, 14.5, 14.5

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Marshall Farm Switch Grass

- 787 14.2, 14.5, 14.5
904 14.5, 14.5, 14.5
735 14.5, 14.5, 14.5
744 14.5, 14.5, 14.5
810 17.1, 15.3, 14.6
731 14.5, 14.5, 14.5
798 14.5, 14.5, 14.5
960 14.5, 14.5, 14.5
754 14.5, 14.5, 14.5
700 14.5, 15.1, 14.9
769 15.7, 15.2, 15.9
754 14.5, 14.5, 14.5
750 14.5, 14.5, 14.5
812 14.5, 14.5, 14.5
772 14.5, 14.5, 14.5
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