

COARC Newsletter

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Alfalfa Variety Trials

First Cutting Results

This is the fourth production year for 10 conventional and 7 Roundup Ready alfalfa cultivars planted at the Central Oregon Agricultural Research Center in Madras on August, 2011.

Varieties are listed in order of Relative Feed Value (RFV), an indicator of overall feed quality. Conventional variety Integra 8420 produced the highest RFV, while Pioneer 54Q25 had the highest yield. Roundup Ready varieties Integra 8444 RR and 433TRR provided the highest quality, with all varieties producing similar yields.

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Table 1. Conventional alfalfa variety performance for May 26, 2015 harvest at the Central Oregon Ag. Research Center, Madras, OR.

Variety	1 st Cutting Yield	Crude Protein	ADF	NDF	TDN	Relative Feed Value
	Ton/Acre	% Dry Weight				
Integra 8420	3.7	19.2	26.8	35.4	58	158
WL 354HQ	4.4	19.0	28.6	35.9	58	151
Plumas	4.1	18.5	28.8	36.6	58	149
Pioneer 54V09	3.7	19.2	29.0	36.7	58	148
445NT	3.9	18.2	28.5	37.8	58	146
WL 363HQ	4.0	18.7	29.4	37.0	57	146
Pioneer 54Q25	5.1	18.3	29.0	37.7	58	145
6422Q	4.1	18.9	30.1	37.9	57	141
Mountaineer 2.0	4.1	19.0	30.2	38.1	57	140
Vernal	3.7	18.5	30.0	38.3	58	140

Table 2. Round Up Ready alfalfa variety performance for May 26, 2015 harvest at the Central Oregon Ag. Research Center, Madras, OR.

Variety	1 st Cutting Yield	Crude Protein	ADF	NDF	TDN	Relative Feed Value
	Ton/Acre	% Dry Weight				
Integra 8444 RR	3.6	19.5	27.1	33.7	59	165
433TRR	3.8	20.6	27.2	34.3	59	162
DKA 43-22RR	4.2	18.8	27.9	34.8	59	158
Pioneer 54R014	4.0	18.8	27.9	34.8	59	158
Ameris 415NT-RR	4.1	18.8	27.7	35.6	58	155
4R200	3.9	19.1	28.2	35.5	58	155
RR Nemastar	3.8	19.1	28.5	35.5	25.3	154