

COARC Newsletter

August 31, 2015

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Alfalfa Variety Trials

Third Cutting Results

This is the fourth production year for 10 conventional and 7 Roundup Ready alfalfa varieties planted at the Central Oregon Agricultural Research Center in August, 2011. Varieties are listed in descending order of Relative Feed Value (RFV), an indicator of overall feed quality. Conventional variety Integra 8420 provided the highest RFV at 170 and conventional variety yields ranged from 2.3 to 2.6 tons/acre, excluding Vernal. Roundup Ready varieties 433TRR and Pioneer 54R014 provided RFV's of 169 and 167, while Roundup Ready variety yields ranged from 2.2 to 2.4 tons/acre.

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Table 1. Conventional alfalfa variety performance for August 7, 2015 harvest at the Central Oregon Ag. Research Center, Madras, OR.

Variety	3 rd Cutting Yield	Crude Protein	ADF	NDF	TDN	Relative Feed Value
	Ton/Acre	% Dry Weight				
Integra 8420	2.4	25.9	28.3	36.6	63	170
Vernal	1.8	22.3	31.7	37.2	63	161
Plumas	2.5	23.3	31.3	37.5	62	160
Pioneer 54V09	2.3	22.4	31.2	38.1	60	158
WL 363HQ	2.4	23.5	31.1	38.0	62	158
Pioneer 54Q25	2.3	22.8	32.2	37.7	61	157
WL 354HQ	2.6	22.5	32.0	38.2	61	156
6422Q	2.6	22.1	32.6	39.3	60	151
Mountaineer 2.0	2.3	22.1	32.4	39.5	61	150
445NT	2.4	24.4	35.6	40.3	62	141

Table 2. Roundup Ready alfalfa variety performance for August 7, 2015 harvest at the Central Oregon Ag. Research Center, Madras, OR.

Variety	3 rd Cutting Yield	Crude Protein	ADF	NDF	TDN	Relative Feed Value
	Ton/Acre	% Dry Weight				
433TRR	2.2	22.9	29.1	36.5	64	169
Pioneer 54R014	2.2	22.4	29.1	37.0	64	167
4R200	2.3	22.5	31.4	38.3	62	156
RR Nemastar	2.4	21.4	31.9	38.4	61	155
Amer. 415NT-RR	2.3	20.6	31.4	38.9	61	154
Integra 8444 RR	2.3	21.4	32.1	39.5	62	151
DKA 43-22RR	2.4	21.9	32.7	39.7	61	149