

# COARC Newsletter

July 29, 2015

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## Alfalfa Variety Trials

### Second 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 Madras on August, 2011. Varieties are listed in descending order of Relative Feed Value (RFV), an indicator of overall feed quality. Conventional variety WL 354HQ shared the highest RFV with 6422Q and WL363HQ and produced the highest yield at 3.7 tons/acre. Roundup Ready variety Integra 8444 RR provided the highest quality, while DKA 43-22RR produced the highest yield at 3.4 tons/acre.

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

Variety	2 <sup>nd</sup> Cutting Yield	Crude Protein	ADF	NDF	TDN	Relative Feed Value
	Ton/Acre	% Dry Weight				
WL 354HQ	3.7	21.3	33.5	40.8	62	143
6422Q	3.2	21.2	33.7	40.7	61	143
WL 363HQ	3.1	21.7	33.7	40.8	61	143
Pioneer 54Q25	3.3	20.4	34.1	41.1	62	141
Mountaineer 2.0	3.1	21.2	34.6	41.1	62	140
Integra 8420	3.3	20.8	34.4	41.7	61	138
Plumas	3.1	20.5	34.7	42.1	61	137
Vernal	2.5	20.8	35.1	41.8	62	137
Pioneer 54V09	3.3	20.7	35.4	42.5	61	134
445NT	3.1	19.6	35.8	42.9	60	132

Table 2. Roundup Ready alfalfa variety performance for July 1, 2015 harvest at the Central Oregon Ag. Research Center, Madras, OR.

Variety	2 <sup>nd</sup> Cutting Yield	Crude Protein	ADF	NDF	TDN	Relative Feed Value
	Ton/Acre	% Dry Weight				
Integra 8444 RR	3.0	20.4	30.9	40.7	57	148
Pioneer 54R014	3.1	22.7	32.5	40.3	63	147
DKA 43-22RR	3.4	22.2	33.3	40.7	62	144
RR Nemastar	3.1	22.1	33.2	40.8	60	144
4R200	3.2	22.3	33.6	40.7	62	143
Ameris 415NT-RR	3.3	21.4	32.7	41.6	60	142
433TRR	3.1	21.7	33.5	42.3	60	138