

2014-2016 Alfalfa Variety Performance Trial at Rocky Ford

Variety ^a	Source/Brand	2014 Total Yield	2015 Total Yield	2016 Total Yield	Total 3-Year Yield
tons/acre ^b					
Ameristand 445NT	America's Alfalfa	9.44	9.38	8.56	27.38
WL 363HQ	WL Research	9.34	9.53	8.49	27.37
HybriForce 2400	Dairyland	9.44	9.44	8.30	27.18
59W205	FGI	9.15	9.48	8.27	26.89
48W214	FGI	9.20	9.23	8.33	26.75
DG 4210	CPS	9.39	9.11	7.96	26.46
FSG 403LR	Allied	9.58	8.91	7.89	26.38
HybriForce 2600	Dairyland	9.08	9.22	8.07	26.38
Gunner	Croplan Genetics	9.15	8.95	8.19	26.29
6585Q	Nexgrow	9.11	8.83	8.18	26.11
FSG 423ST	Allied	9.02	8.91	8.02	25.95
FSG 524	Allied	9.20	8.81	7.62	25.62
Nimbus	Croplan Genetics	8.43	9.03	7.81	25.28
FSG 424	Allied	8.75	8.83	7.58	25.16
Integra 8420	Wilbur-Ellis	8.82	8.43	7.70	24.95
6422Q	Nexgrow	8.69	8.49	7.44	24.63
6401N	Nexgrow	8.33	8.41	7.79	24.53
Average		9.07	9.00	8.01	26.08
LSD _(0.05)		0.70	0.63	0.57	

^aVarieties are ranked highest to lowest by total 3-year yield.

^bYields were calculated on a dry basis.

Site Information:

Cooperators: Arkansas Valley Research Center (Mike Bartolo and Kevin Tanabe)

Planting Date: August 29, 2013 at 20 lb/ac

Irrigation Type: Furrow

Soil Type: Rocky Ford Silty Clay Loam

Fertilizer: 100 lb/ac 18-46-0 applied March 13, 2014, none in 2015, 150 lb/ac 18-46-0 applied March 25, 2016.

Herbicide: Thunder 5 oz/acre and Volunteer 16 oz/acre applied on March 25, 2014 to control broadleaves and grasses in the plots, Thunder 6 oz/ac applied on March 21, 2016 to control broadleaves.

Insecticide: Warhawk 16 oz/acre and Lambda-Cy EC 3.84 oz/acre applied on April 20, 2015 to control alfalfa weevil, Warhawk at 32 oz/ac and LamCap at 3 oz/ac applied May 5, 2016 to control alfalfa weevil.