



## 2012 AgroVantage Field Day Results

**Location: Kalona, IA**

**Alfalfa Test Plot**

### Comparison of Foliar Program – 2<sup>nd</sup> Cutting Wrapped Bales

	Control	AgroVantage Program*	Differences
Plot size in acres	1.71 acres	1.71 acres	
Yield, Lbs.	5,871.3 lbs or 2.9 tons	6,035 lbs or 3.02 tons	163.7 lbs or 0.12 tons
Moisture	24.38%	28.62%	
Crude Protein	20.35%	22.54%	2.19
ADF	32.29%	31.04%	-1.25
NDF	41.38%	40.57%	-1.53
TDN	60.17%	59.95%	-0.22
RFV	143.31	148.50	5.19

\*AgroVantage fertility program:

Foliar fed entire plot in Fall 2011 to winterize

Foliar fed entire plot in Spring 2012 after breaking dormancy

Foliar fed following 1<sup>st</sup> cutting with 3 gal. Feast 9-18-9, 1 gal. Feast Side-Kick, 1 pt. Feast Boron, 1 Pt. Feast Chelated Calcium

Value of Production Advantage: 163.7 lbs x \$0.09 per lb = \$14.73 per acre

Value of RFV Advantage: 5.19 RFV X \$1.25 per point = \$6.48 per ton

Total Value Advantage: \$14.73 + \$6.48 = \$21.21

The AgroVantage System's approach to growing high yielding and high quality alfalfa hay is focused on first determining the crops nutrient requirements by soil testing and then providing plant food by foliar feeding. In this study with limited rainfall, both yield and quality were greatly increased by use of the system. In many hay growing scenarios when yield goes up quality comes down and can be directly related to a higher stem to leaf ratio. With the AgroVantage System, foliar feeding produces a larger leaf with the resulting quality and yield improvement.