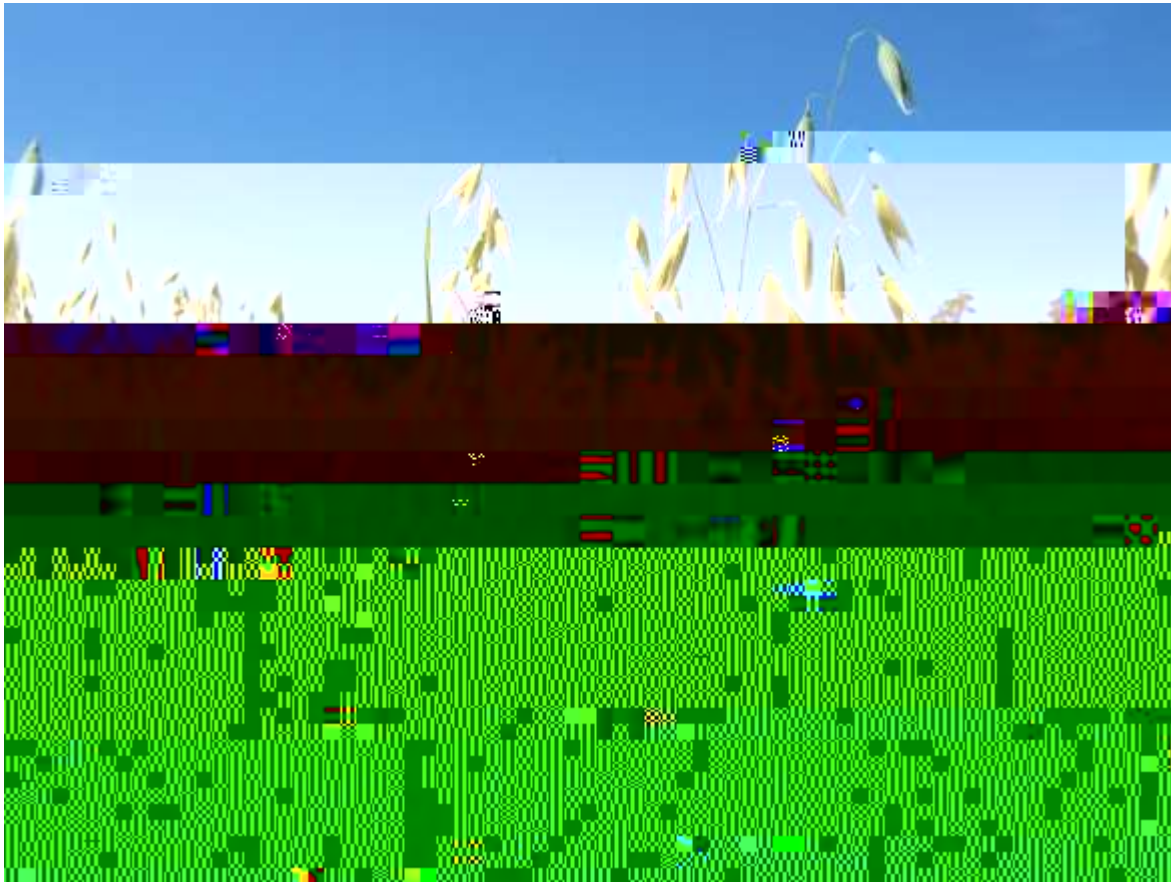


2016 Oat Variety Trial



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August. Precipitation was well below average, accumulating 6.36 inches below the historical average. Growing Degree Days (GDDs) were calculated at a base temperature of 32°F. From planting to harvest, there was an accumulation of 2183 GDDs. This is 148 more GDDs than the 30-year average.

Table 3. Temperature, precipitation, and growing degree days (GDD's) for Alburgh, VT in 2016.

Alburgh, VT	April	May	June	July	August
Average temperature (°F)	39.8	58.1	65.8	70.7	71.6
Departure from normal	-4.90	1.80	0.00	0.10	2.90
Precipitation (inches)	2.60	1.50	2.80	1.80	3.00
Departure from normal	-0.26	-1.92	-0.88	-2.37	-0.93

Quality differences between oat varieties are depicted in Table 6. Marin had the highest crude protein when adjusted to 12% moisture with 16.0% protein. The protein percentage in AC Gehl, BetaGene, Jerry, and Leonard were not significantly different from Marin. Optimal falling number for bread wheat is 250 seconds. Goliath was the only variety close to this value. Optimal falling number for oats has not been identified. There were no significant differences between DON levels in this trial. All varieties fell below