DOWNARD, ROBERT W.^{1*} and DAVID ELISON², ¹The Amalgamated Sugar Company, P.O. Box 127, Twin Falls, ID 83303-127 and ²The Amalgamated Sugar Company, P.O. Box 700, Paul, ID 83347. **Nitrogen rate effect on sugar beet stands in strip tillage**.

Improper nitrogen fertilizer placement or high rates can reduce sugar beet stands. Strip tillage places fertilizer below the seed, which may reduce sugar beet stands. The objective of this study was to determine if high rates of liquid fertilizer placed directly below the seed would reduce sugar beet stands. Liquid fertilizer was placed at 6 inches directly below the seed at ½ (60 units N/acre), ¾ (90 units N/acre), and a full rate (120 units N/acre). In 2009 stand counts were taken 33, 41 and 50 days after planting and there was not any significantly difference between treatments. In 2010 stand counts were taken 9, 11, 15, 17, and 22 days after planting. The half rate treatment had lower stand counts at 11, 15, and 17 days after planting. This was due in part to poor soil conditions in that area.