Introduction

The purpose of this experiment is to evaluate selected energy cane varieties/genotypes (01-07, 02-144, 02-147, 06-9001, 06-9002 and 72-114) for resistance/tolerance to stalk borers (Mexican rice borer and sugarcane borer) and adaptability to Southeast Texas conditions. These varieties were selected from the 2008 – 2009 Energy Cane Seed Increase and Nursery at the Beaumont Center.

Agronomic and Cultural Information

Experimental design: Complete randomized block with 5 varieties and 4 replications
**Planting:**
Beds pulled and ditched Nov 7 (2009) and opened just prior to planting; soil type = Morey Silt Loam
Prior to planting, tops and leaves removed from plant cane stalks
Rows were covered and field edges bladed after planting on Nov 9 (2009)
Plot size = 3 row, 5.25 ft row spacing, 35 ft long with 6 ft alley

**Herbicide:**
Prowl 3.3EC @ 1 gal/A and Atrazine 4L @ 1 gal/A applied on Nov 12 (2009) with a 3 nozzle spray boom (110º04 nozzles with 50 mesh screens) for pre-emergence control of grasses and broadleaves, respectively