

2009 MSU Agricultural Expo Demonstration Plot

46-0-0 vs. Biosolids



<p>Crop: Ornamental Hybrid Corn Variety: Autumn Explosion Planting Date: May 15, 2009 Replanting Date: June 3, 2009 Harvest Date: November 13, 2009</p>	
Fertilizer Plot	Biosolids Plot
<p>Soil Test Results Bray P1: 124 lbs/acre Potassium: 284 lbs/acre Calcium: 5340 lbs/acre Magnesium: 426 lbs/acre Zinc: 8.7 ppm Manganese: 70.2 ppm pH: 7.8 CEC: 15.5 meq/100g Organic Matter: 4.9%</p>	<p>Soil Test Results Bray P1: 166 lbs/acre Potassium: 274 lbs/acre Calcium: 5860 lbs/acre Magnesium: 432 lbs/acre Zinc: 17.7 ppm Manganese: 73.0 ppm pH: 7.9 CEC: 16.8 meq/100g Organic Matter: 6.0%</p>
<p>Fertilizer (46-0-0) Date Applied: October 2, 2000 Rate: 260 lbs/acre <u>PAN² applied: 120 lbs/acre</u></p>	<p>Biosolids¹ Date Applied: October 2, 2000 Rate: 2.0 Dry Tons/Acre <u>PAN² applied: 118 lbs/acre</u></p>
Yield: 85 bushels/acre	Yield: 107 bushels/acre
Moisture: 15.4%	Moisture: 16.4%
Test Weight: 56.3 lbs/bushel (est)	Test Weight: 60 lbs/bushel (est)

¹ Source: Delhi Township Wastewater Treatment Facility

² PAN = Plant Available Nitrogen