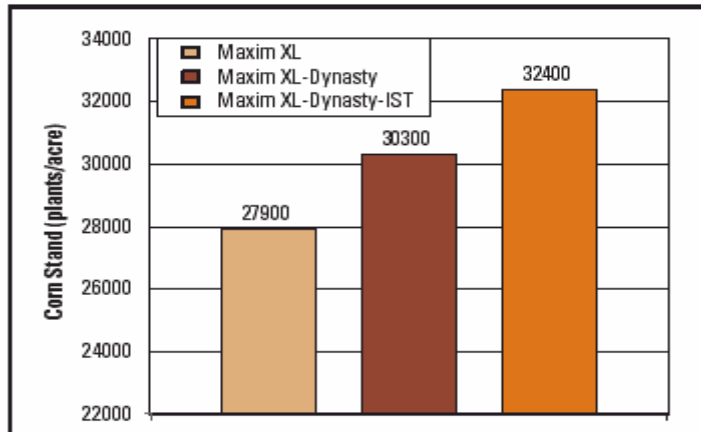




## Dynasty and its effects on corn:

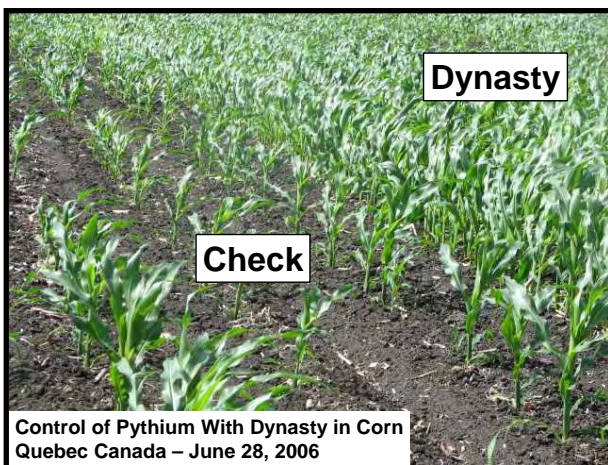
This year Pioneer was offering for the first year an improved fungicide seed treatment to American corn growers. Dynasty is a systemic seed treatment developed by Syngenta providing additional seedling protection on roots and leaves against seed and soil borne diseases as *Pythium* spp. and *Rhizoctonia*.



**Figure 1.** Effects of seed treatments on corn stand establishments. Average of 25 field studies. Courtesy of Dr. Timothy Maloney, Agri-Tech Consulting., Janesville, WI.

Dynasty will be available in 2007 for Canadian corn growers as well to help secure yield potential through improved emergence, plant stand and vigour. Pioneer believes that Dynasty fungicide with Poncho 250 or Poncho 1250 insecticide combined with the standard Maxim XL fungicide is the premier seed treatment for corn stand establishment in the industry. (Figure 1.)

Pioneer surveys have shown that farmers start their corn planting about one week earlier than they did 10 years ago. And because today's larger equipment and reduced tillage farming systems allow more acres to be planted per day, stand establishment problems have increased in recent years.

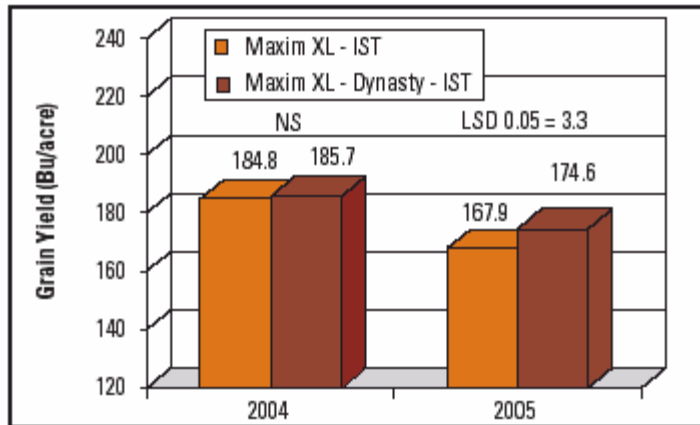


**Figure 2.** Effects of Dynasty on a heavy *Pythium* infested fields

In areas with wet and cold soil conditions regularly met as in Ontario, Dynasty can show substantial results against soil borne diseases as damping off. (Figure 2.) In addition of the improved stand, grain yields from Pioneer on-farm trials resulted on 0, 9 bu/acre advantage in 2004 with excellent emergence conditions when 2005 showed an average improved yield of 6.7 bu/ac in stressful conditions were widespread. (Figure 3.)

October 2006

Patrick Leduc, Area Agronomist  
514-910-6744, patrick.leduc@pioneer.com



**Figure 3.** Corn grain yield for two seed treatments: Maxim® XL + IST vs. Maxim XL + Dynasty® + IST. 20 on-farm locations in 2004 and 37 in 2005, in IA, IL, IN, OH and MI.

**Pioneer will offer Dynasty only for corn seeds treated with either Poncho 250 or 1250 for the next season.**



**Figure 4.** Small plants killed by seedling blight, Saint-Bernard-de-Michaudville, June 2006



**Figure 5.** Side by side showing effects of Dynasty on heavy *Pythium* infested fields, Saint-Jean-Baptiste, June 2006

October 2006  
 Patrick Leduc, Area Agronomist  
 514-910-6744, patrick.leduc@pioneer.com