By 2050 there will be 9.1 billion people

World area planted by hand = corn area in the USA (35M ha’s)
Developing world, avg. farm size = 1 ha

• Increase of 30%
• Food production must increase 70%
• 95% of increased population will be in the developing world

BENEFITS:
• Remove chemically treated seeds from the hands of small farmers
• Decrease soil erosion
• Accomodate mid-season urea-N application
• Urea placed below surface reduces NH3 losses
• Potential to increase maize production and NUE

OSU Planter components

Marginal landscapes where maize is planted - Central America