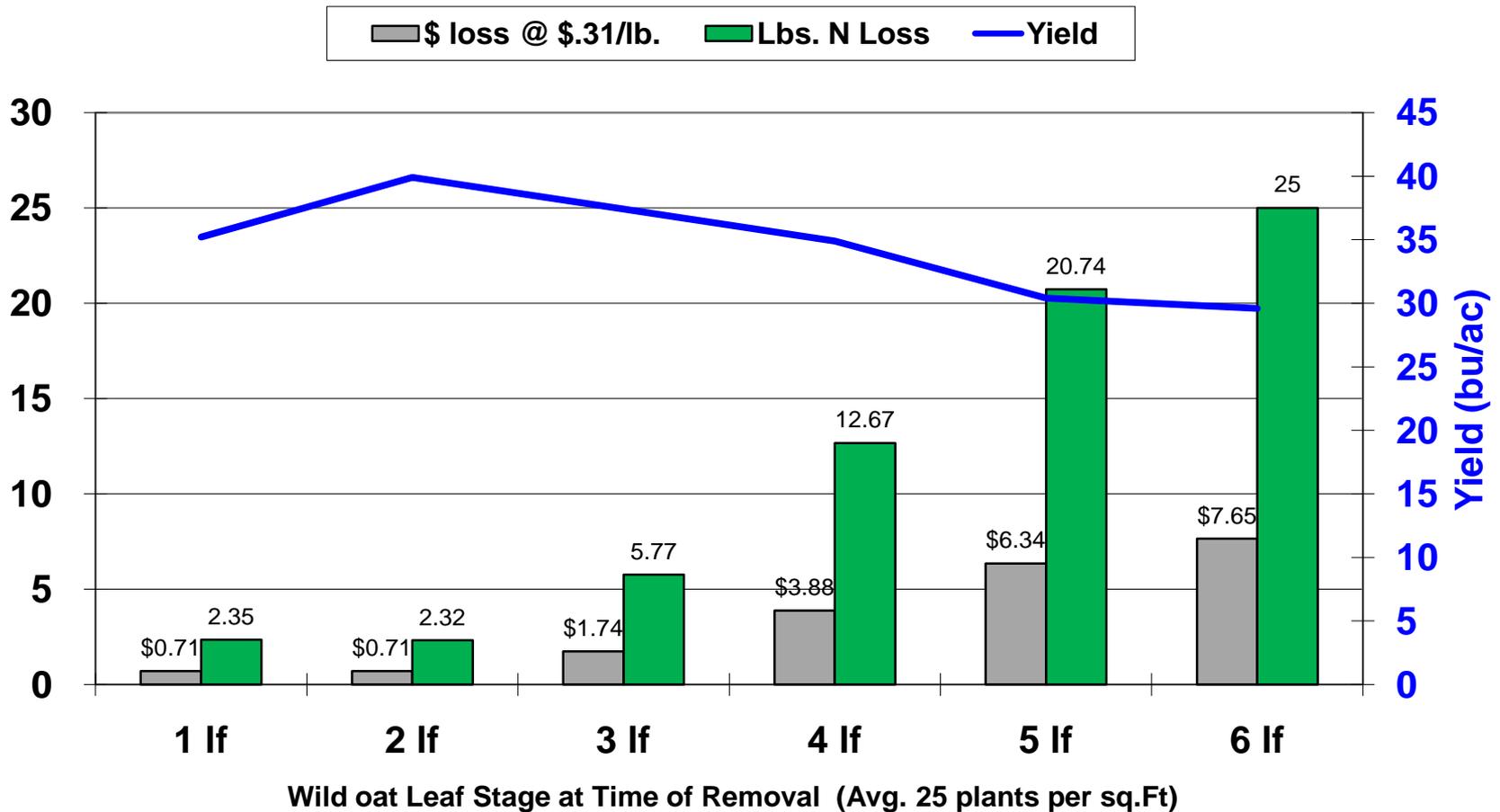


# Weed competition in Wheat

- Wild oat is one of the most competitive weeds in wheat
- Weeds compete for light, moisture as well as the fertilizer applied to your crop
  - In 2006-2007 Agro-Tech researched the amount of nitrogen tied up in wild oat plants at different growth stages
  - Wild oat infestation was heavy both years

# Lbs. Nitrogen and Yield Loss Due to Wild Oat Competition 2006 and 2007



# Weed Competition Results

- The green bars show the amount of nitrogen contained in the wild oat plant, thus not available for your crop.
- The gray bars show the costs of the fertilizer at \$0.31 per lb of N.
- The blue line shows the wheat yield response to time of wild oat removal.
- Removing wild oat at 2 leaf resulted in 6 bu/ac more wheat and 18 lbs more available N when compared to 5 leaf wild oat