

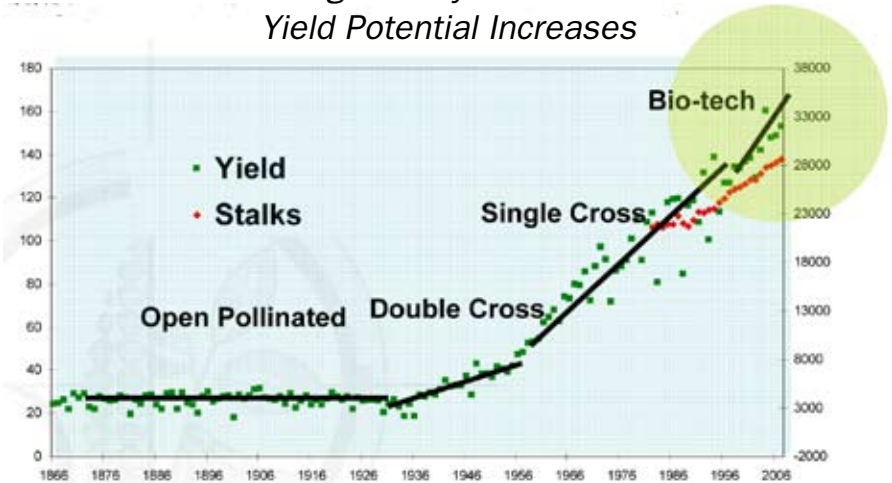
# 2007 University Final Corn Population Recommendations

**Recommended Final Corn Population (x1000)**  
**Corn Yield Potential (bu/acre)**

State	>180	120-180	<120	State Yield Trials Seeding Rates
Iowa	32-36	28-32		33.5
Illinois	35		25.30	29-32
Missouri Dryland		24	16	28.6
Missouri Irrigated	32	26		34.2
Minnesota	29-31			33
Nebraska Dryland				14.1
Nebraska Irrigated				31.2
North Dakota	28-32	24-32	14-20	32-34
South Dakota				28.7

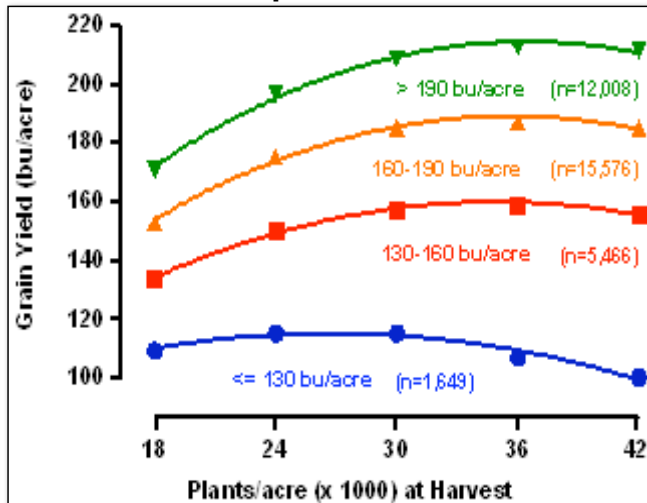
## Corn Yield Advances Have Outpaced Planting Population Gains

*Planting Density Increases as Yield Potential Increases*



Source: University of Illinois March 2006 Crop Science Ref# 46:528-543

### Corn Yield Response to Plant Populations 2004-2007



Crop Insights Vol. 17, No. 16 by S. Paszkiewicz & S. Butzen

### Maximize your seed investment return:

- Utilize local university top end population recommendations
- Seeding rate = final population x 1.1

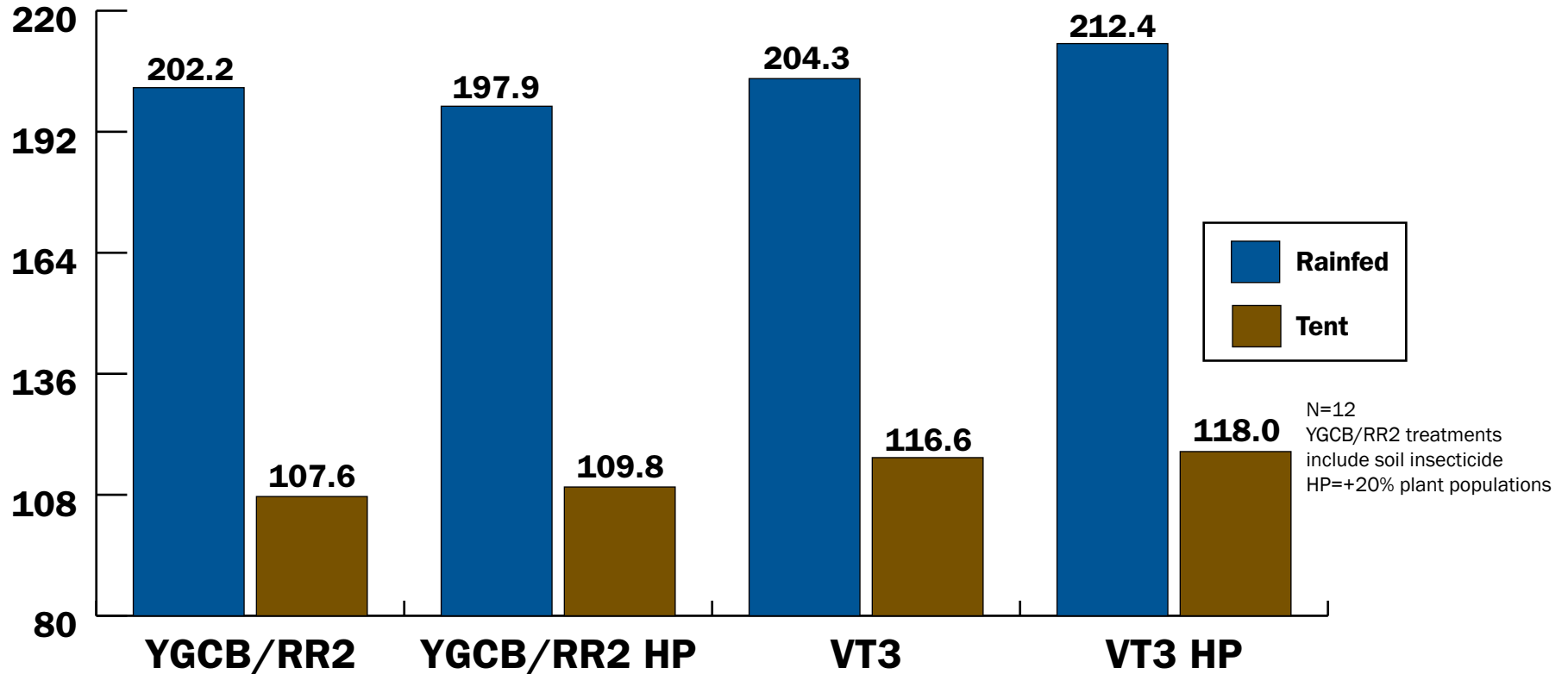
**Increase planting rate 500 to 1,000 plants per acre per year to keep up with the genetic yield improvements per year.**

An important feature of modern corn products is that yields tend to level off, not drop off, at populations above the point of maximum yield (U of Illinois, Emerson Nafziger).



# YieldGard® VT Triple vs YieldGard® Corn Borer with Roundup Ready® Corn 2

## Population Response



Root protection of YieldGard VT3 products allows higher planting densities to optimize yield performance in normal rainfall conditions and in drought stressed conditions as compared to non-rootworm trait products with soil applied insecticides.

### VT3 Change from 30,200 Seeds/A

Seed Rate	Yield	Revenue	Seed Cost	ROI*
x1,000/A	Bu/A	\$/A	\$/A	\$/A
30.2	204.3			
35.6	212.4	40.5	12.42	<b>28.08</b>

\*Based on gross corn revenue (\$5.00/bu corn) less incremental seed cost (\$184/unit).

This means that it is wise to plant higher populations to take advantage of good growing conditions since there is no yield penalty under average or poor conditions.



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