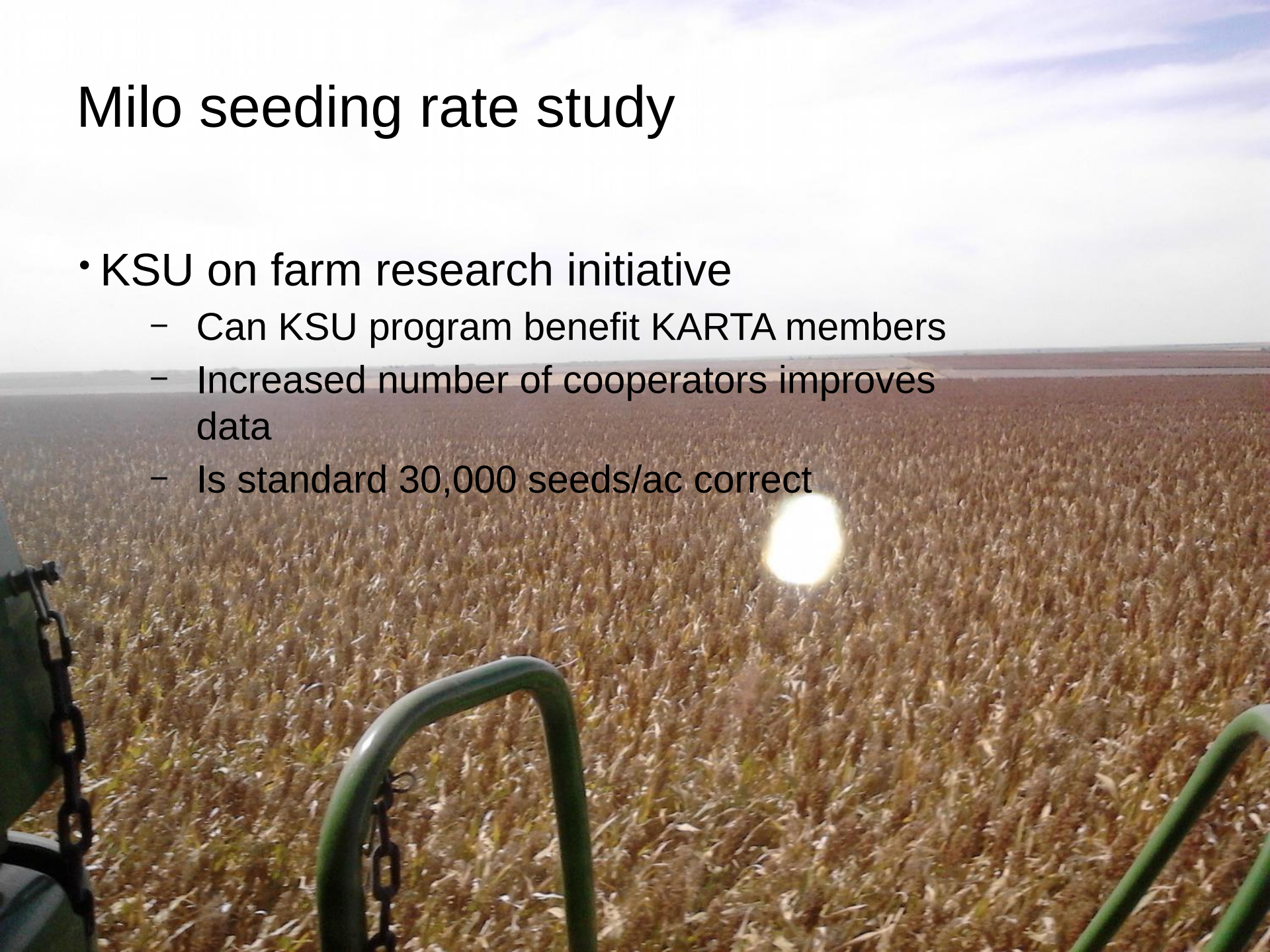


Milo seeding rate study

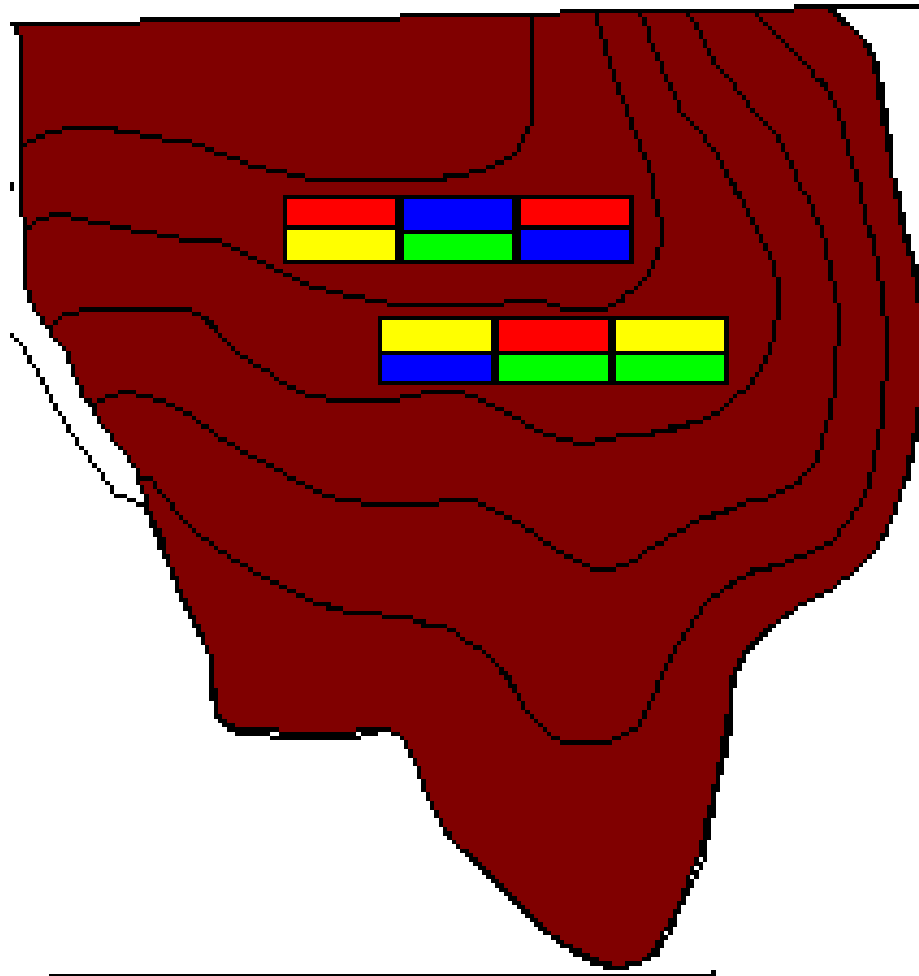
- KSU on farm research initiative
 - Can KSU program benefit KARTA members
 - Increased number of cooperators improves data
 - Is standard 30,000 seeds/ac correct



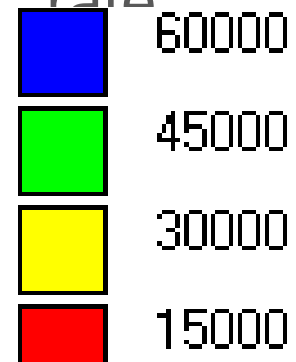
Procedure

- Planted 6/10/2015
 - Pioneer 86G32
 - Tillering hybrid
 - 12 row 1770 JD planter
 - Weed control broke down
 - History of increasing grass pressure in no-till
 - Plots harvested on 10/15/2015
 - 936D JD platform
 - Yield data collected with GS2
- Yield data cleaned using Yield editor

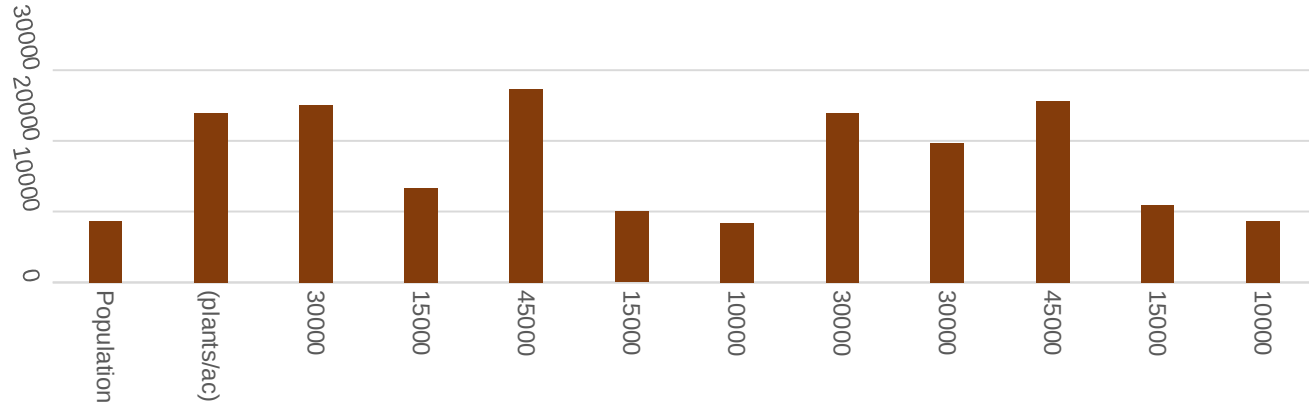
Study layout



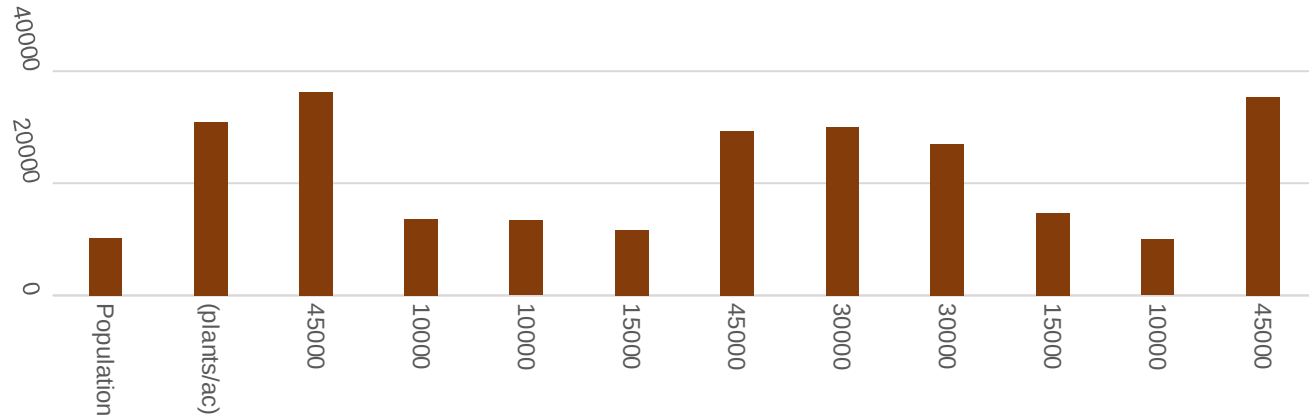
• Seeding
rate



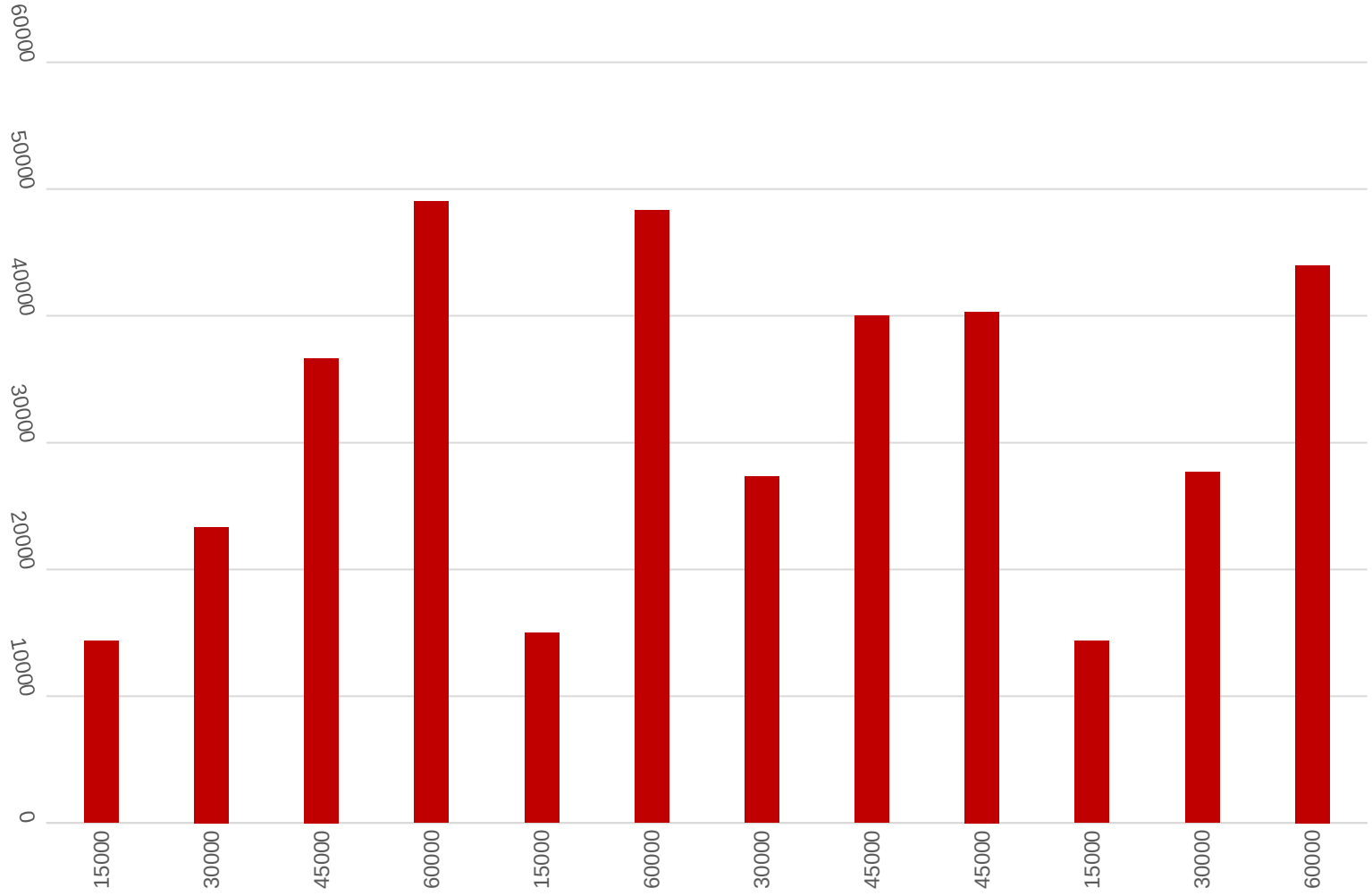
2014 Population (plants/ac)



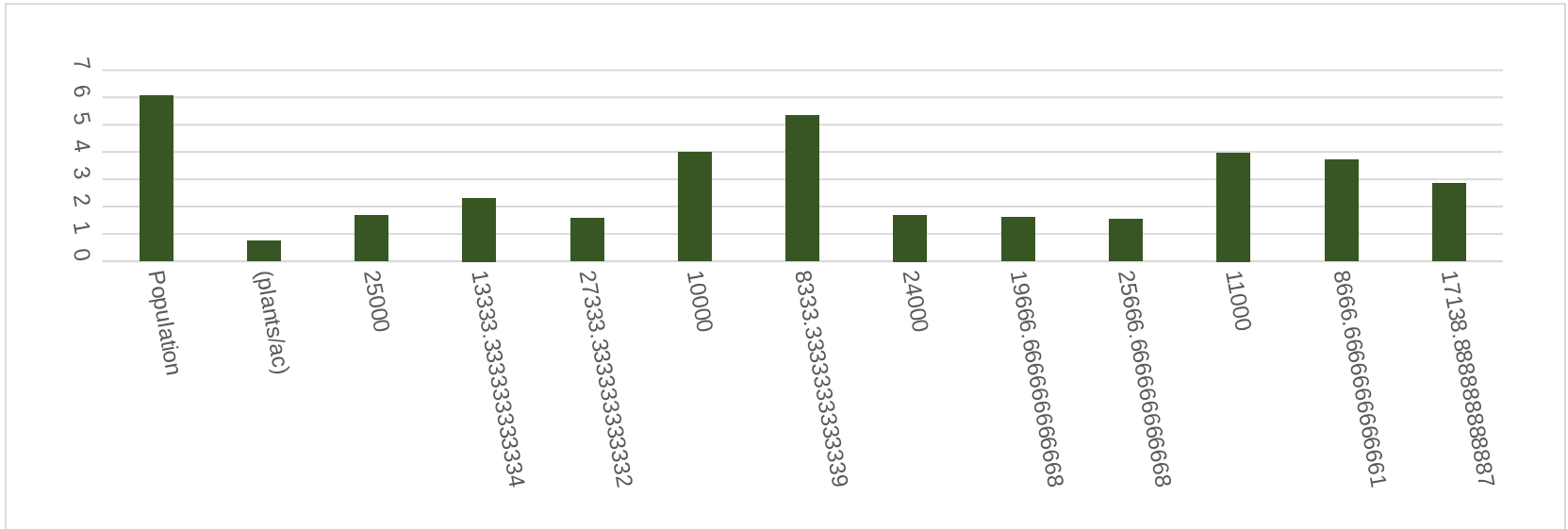
2015 Population (plants/ac)



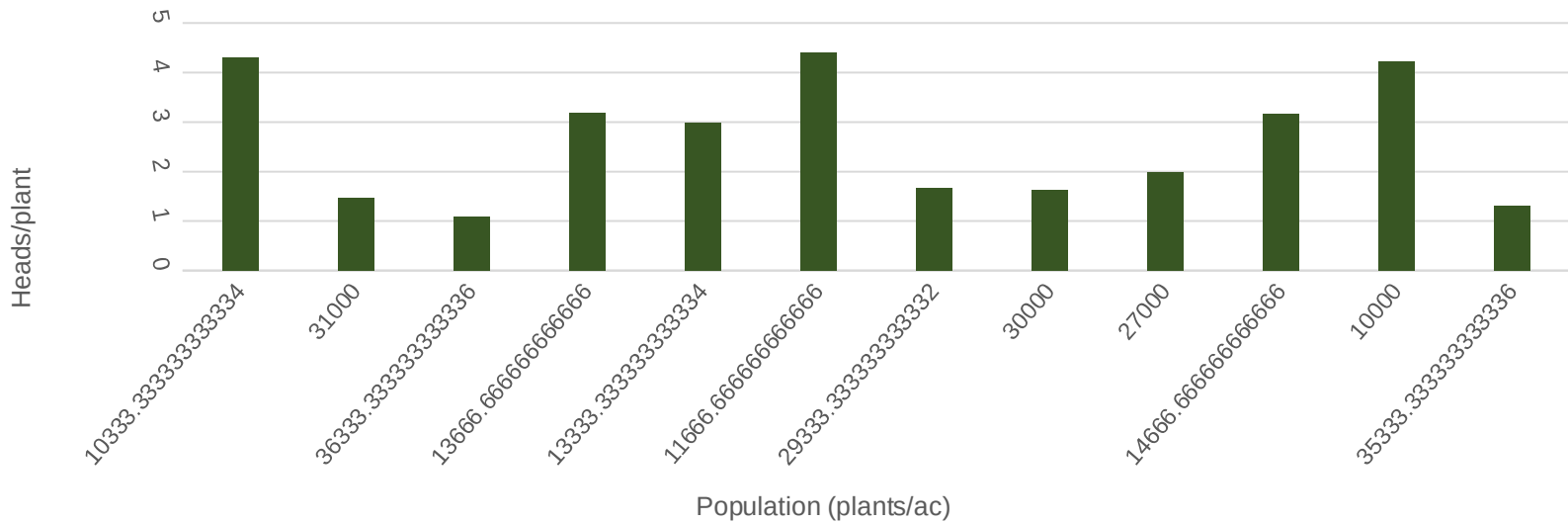
2016 Population (plants/ac)



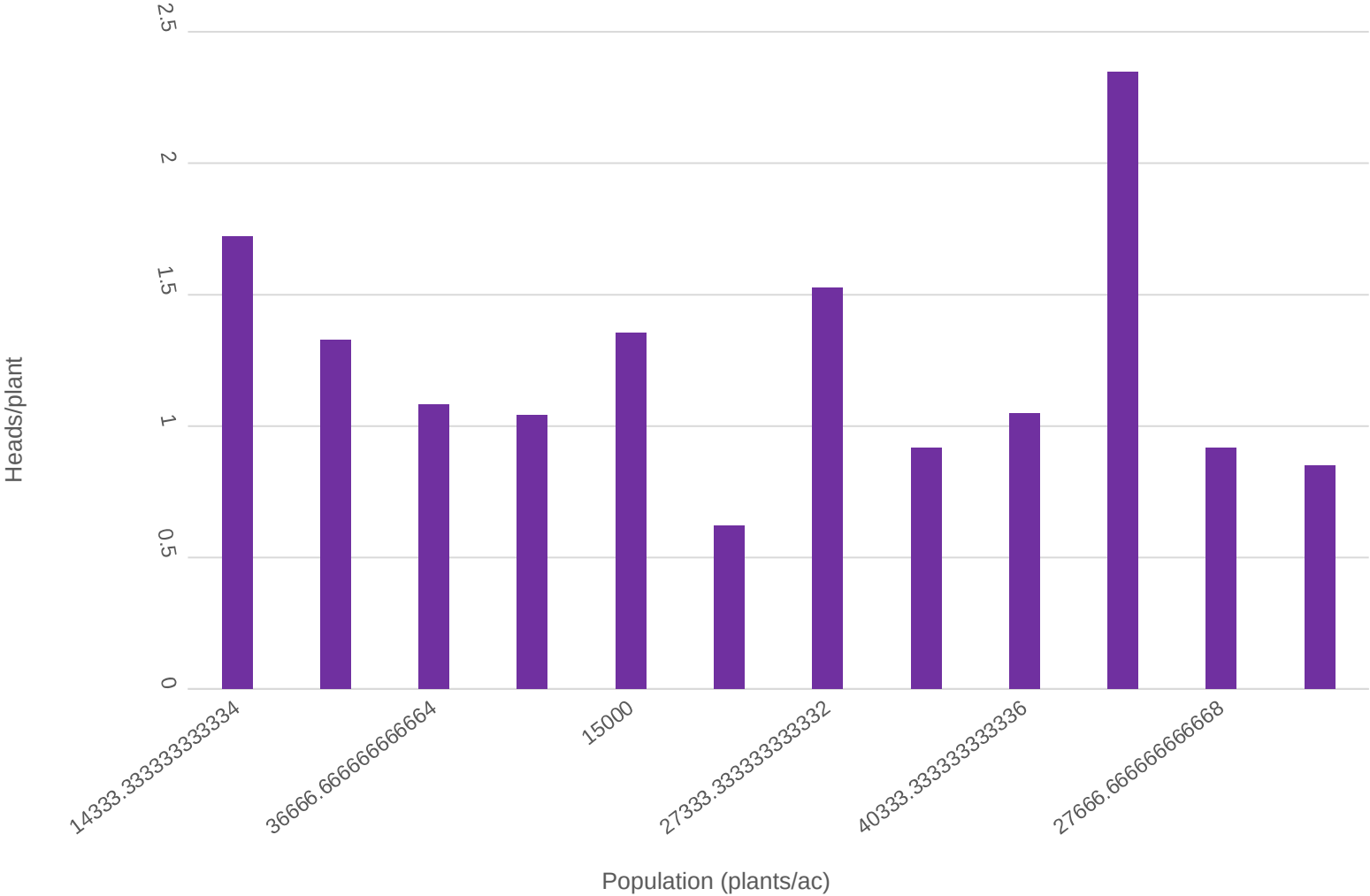
2014 Heads/plant



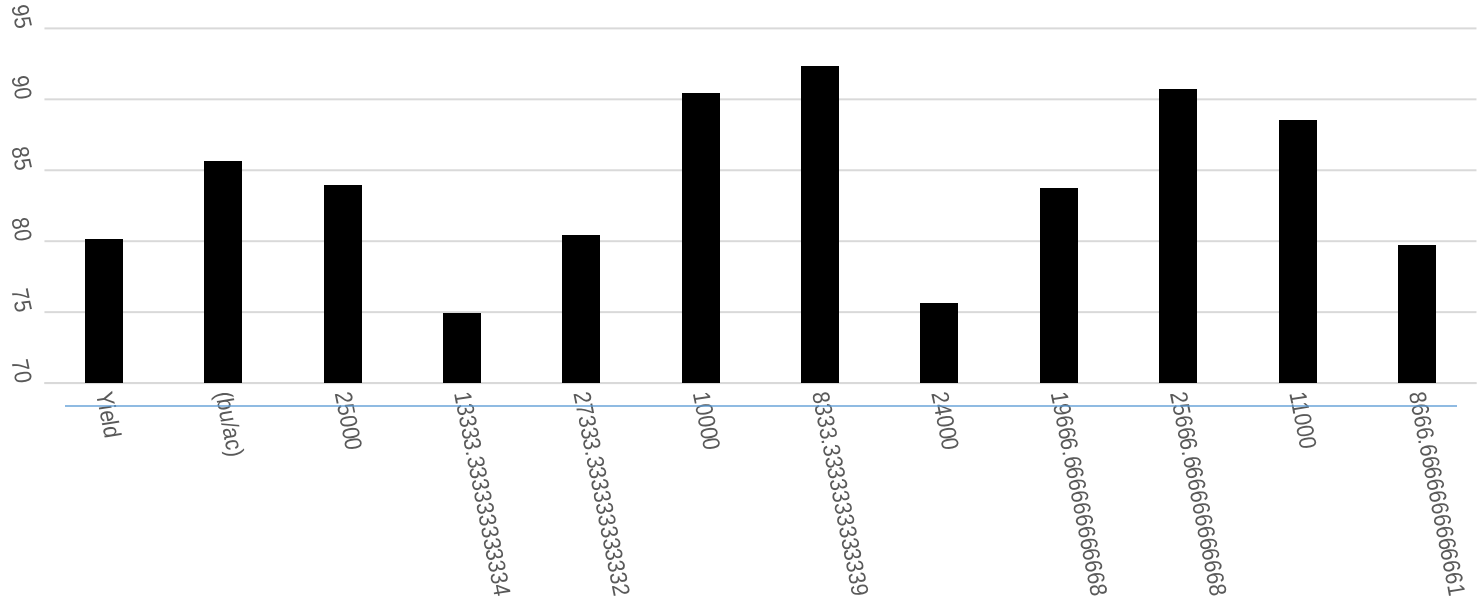
2015 Heads/plant



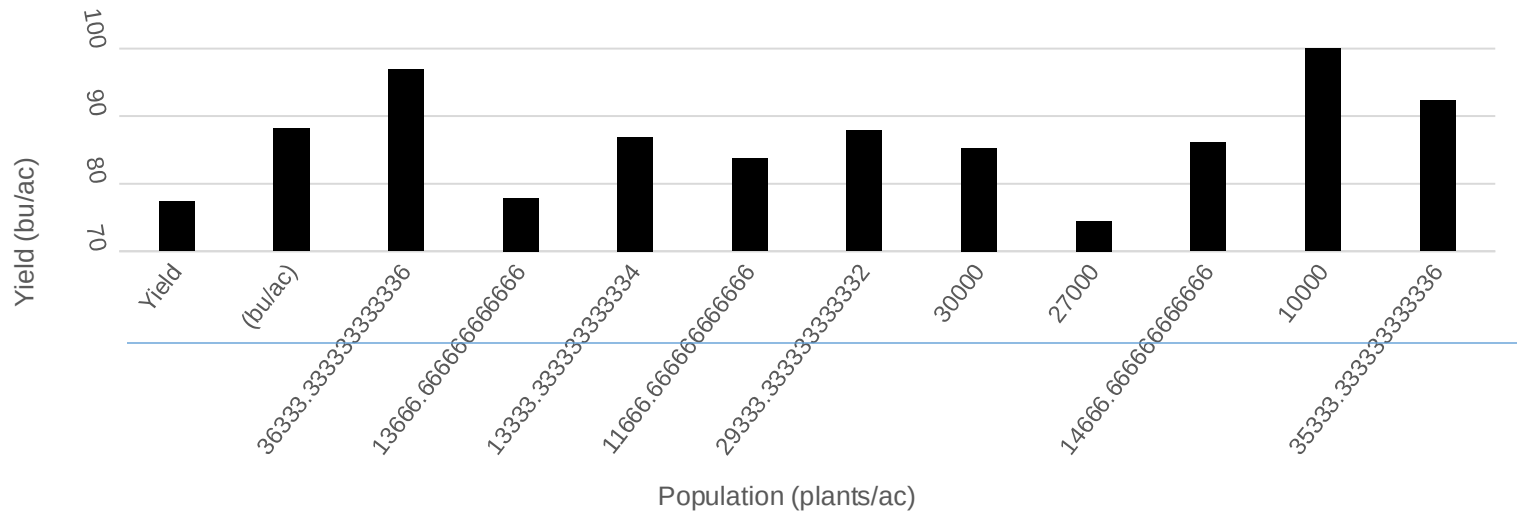
2016 Heads/plant



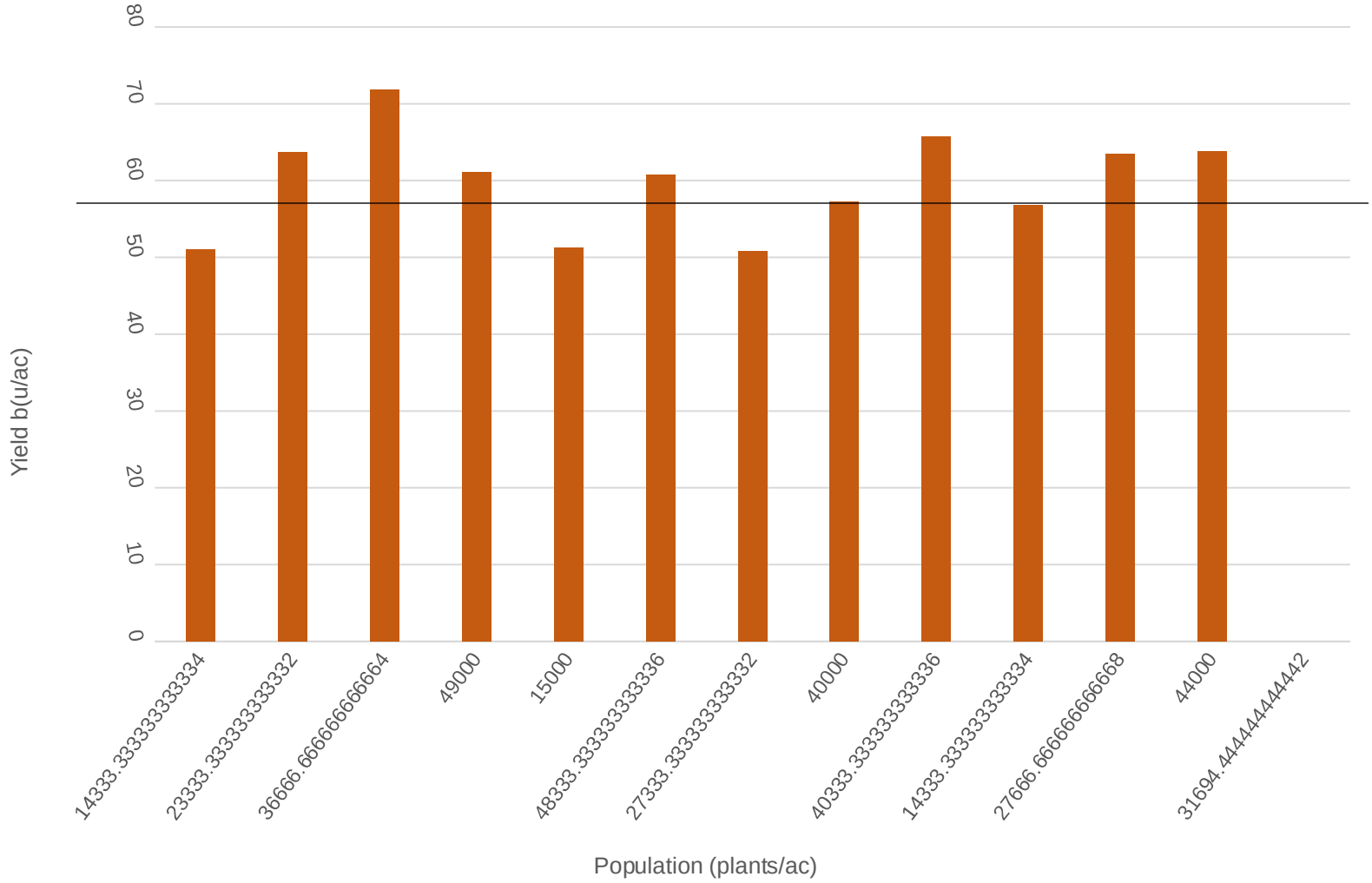
2014 Yield (bu/ac)



2015 Yield (bu/ac)



2016 Yield bu/ac



Conclusions

14-15	Yield	Profit
10000	86.28	\$300.18
15000	83.50	\$292.04
30000	81.86	\$282.15
45000	88.96	\$304.87

2016	Yield	\$/ac Profit
15055.56	53.03	\$120.34
33111.11	62.63	\$132.64
39000.00	64.90	\$142.85
47111.11	61.87	\$134.04

10,000 looks to be most profitable population

- 2016 makes a pain wet year

- 2017 year's high population will not produce grain

- current plants struggles to sustain higher rates

- being part of K-State initiative on soil planning of
on farm research

Questions