

S U M M A R Y

Although the present experiment was unable to show any significant effect of varying rates of fertiliser constituents, the effect of population density was once again demonstrated. The overall yield was very much higher than in the previous trials, but the same trends have appeared although they have been exaggerated.

It is now clear that providing a check can be kept upon fungal disease by weekly spraying at least early in the crop and that the soil is made fertile, then the greatest yield per acre can be obtained with a high population. In the present trial, the yield from the spacing which gave approximately 75,000 plants per acre was the appreciable figure of 16,500 lbs per acre. The lowest yield was from a spacing equivalent to 25,000 plants per acre and amounted to only 8,000 lbs per acre. It should be noted that the beans were grown upon ridges and in the dry season received 8 inches of irrigation in addition to 1.96 inches of rain.