

3rd September 60

Examined the beans in detail. Not all cans have the weevil in them.

brown + black

Row #8 Normal hills #1-#20 very bad, threw out
" " " #21-#44, #45-#48 OK
" Reversed " #1-#20, #21-#44, #45-#48 OK

red brown white

Row #7 Normal hills #1-#18 bad, threw out
" " " #19-#32, #33-#46, #47-#49 OK
" Reversed " #1-#18, #19-#32, #33-#49 few weevils, picked them out.

Row #6 Normal, five cans, all OK
" Reversed, three cans, OK
" " , one can, few weevils, picked them out.

Row #5 Lima didn't mature so not harvested.

Row #4 Burpee Big 6 Lima, immature, all OK.
" Kentucky Wonder. Mostly immature
" Control, very bad, threw out
" 5000 R, very bad, saved 2 dozen mature and apparently free from weevils
" 7500 R, " " , as above
" 10,000 R, some weevils, as above

white

Row #3 One can OK
Row #2 One can OK; one can bad so threw out
Row #1 Two cans OK

Left hand vines both large + small all OK.

Apparently the beans were all OK on vines, after shucks removed, the bare beans were put in flat pans and allowed to dry in sun for a few hours up to a few days depending on the weather. While out drying, the small black flying insect came along and laid eggs in the beans in pans. Due to differences in wind, sun, temperature, etc. the insect was present on some days, but not others. Thus some pans were badly infested, while other pans were free of weevil. The contents of a given pan went into a given can. Consequently some cans were very bad with weevils while other cans had none.

On rows #1 + #2 the pods were left hanging on vine a long time so that they broke open. At this time the insect came around and laid eggs in these. Thus there are some weevils in the cans of pod beans. There were no weevils in any of the beans harvested on rows #6, #7, + #8 at time of harvesting. All pods on these rows were perfect without any holes.

This black weevil is much different from the Mexican Bean Beetle which comes earlier and eats the leaves of plant.