

these fields a half dozen infested pods on two plants were all that could be found. The owner immediately destroyed all the plants in this field. In the other field several plants were found to have a few infested pods. Around the first of June a third commercial field at still another point in the area was found highly infested and this field was destroyed in a few days.

By the first part of July the one remaining infested commercial field was heavily infested with weevils. Although a few pods contained no weevils, others contained a number of larvae or pupae. In examining a few pods, three were found with six immature individuals in each and a fourth one contained three pupae, two adults in cells, and two emerged from cells making a total of seven weevils in a single pod. All of these pods were fairly large and were still on the plants.

In August this field was flooded during a period of heavy rain and the weevil population was considerably reduced. The field was again visited early in October after a period of heavy rainfall, and although a few plants remained alive, and had an occasional bud or pod, no weevils could be found.

The small planting of hot peppers which was carried through the original cleanup continued as a breeding place for the weevils during the fall and winter of 1936. Although the number of plants was small, there being only a dozen or two, this was sufficient to infest nearby fields. On November 10 in a field one-tenth of a mile from the hot pepper field several infested pods were found while in two other fields about half a mile away a very few infested ones were found. On December 15 the infestations in these fields had increased 10 fold and one infested fruit was found in a field a mile and a quarter from the hot peppers.

The early winter was mild and by January 20, 1937, the nearby fields were so heavily infested that part of them had been destroyed. The more distant field had a heavy infestation so that it was destroyed shortly after this date.

On April 7 one field, still undestroyed, had such a heavy infestation that only a very few buds reached the flowering stage. At this time a very few infested pods were found in a field in Sarasota County, these being the first found outside of Manatee County.

IMPORTANCE AS A PEST IN FLORIDA

Figure 2 shows a hythergraph of mean monthly temperatures and rainfall for Bradenton, Florida, compared with a composite