

INGREDIENTS OF MATERIALS USED

Kalite	{	Sodium silicofluoride.....	18.0%
		Sulfur.....	19.0%
Kaolith	{	Inert ingredients.....	62.0%
		Sodium aluminum fluoride.....	94.26%
Kalo	{	Inert ingredients.....	5.24%
		Sodium silicofluoride.....	96.0%
		Inert ingredients.....	4.0%
		Sodium fluoride—active ingredients.....	90-95%
		Arsenate of lead—active ingredients.....	98%
		Copper—active ingredients—Metallic copper.....	18%

OBSERVATIONS OF TREATED PLANTS EXPOSED TO GRASSHOPPERS

	Leaves eaten			
Kalite $\frac{3}{4}$, Talc $\frac{1}{4}$, dusted on plants and grasshoppers	5%	after	6 $\frac{1}{2}$	days
Kalite dusted on plants and grasshoppers.....	1%	"	6 $\frac{1}{2}$	"
Kalite dusted on plants only.....	99%	"	6 $\frac{1}{2}$	"
Kaolith, sprayed on plants only.....	99%	"	6 $\frac{1}{2}$	"
Lead arsenate, 2 lbs.....	90%	"	6 $\frac{1}{2}$	"
Check.....	99%	"	6 $\frac{1}{2}$	"
Strychnine Bran Bait.....	99%	"	6 $\frac{1}{2}$	"
Kalo Bran Bait.....	1%	"	6 $\frac{1}{2}$	"
Sodium fluoride bran bait.....	1%	"	6 $\frac{1}{2}$	"
Copper carbonate spray.....	50%	"	6 $\frac{1}{2}$	"

Out of 200 grasshoppers that were not exposed to poison, only six parasites were observed. The parasites were tachinid flies.

Sodium fluoride and Kalo gave the best results and were the most economical. Both of these materials compare with the kill obtained by using Paris green bran bait in like amounts. No burning of foliage was observed when sodium fluoride or Kalo were used in the bran bait, which was thrown on the plants. Copper carbonate gave only fair results, unless used in rather large amounts.

The table on page 9 gives in detail the results of the various experiments.

DR. HERBERT OSBORN ADDRESSES ENTOMOLOGICAL SOCIETY

On April 2 the members of the Florida Entomological Society and visitors were treated to an illustrated lecture on the "History of Entomology in the U. S. and Canada." Dr. Osborn showed lantern slides of most of the early entomologists and spoke briefly of the work of each.

The speaker was introduced by Dr. P. H. Rolfs who has recently returned from Brazil. Three other former students of Dr. Osborn were present, Drs. E. W. Berger, Wilmon Newell, and A. N. Tissot.