

APPLICATION OF TELONE C-17 AND VAPAM IN HIGH VALUE CROPS

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AgroSpray started in the fumigation business in 1957, being distributors of both Vorlex and Telone II products. In 1968 we distributed exclusively for Dow Canada with the Telone II products.

The equipment used for broadcast application did not change from the mid sixties until 1992.

Slides showing original equipment

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This type of equipment presented two problems: Soil and weather conditions had to be perfect, and because the fumigant was being applied by the farmer, the application technique was always suspect. The packing or sealing of the soil was always in question.

In 1992, AgroSpray obtained information about a fumigator that had been used for a number of years in the Netherlands. This machine was manufactured by the Rumpstad Corporation.

Slides:

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Our initial findings with this machine was that the soil sealing mechanism was far superior to anything we had used to this date. The only problem we had was that we still obtained inconsistent weed control by applying fumigants only through the bottom injectors.

Because we feel Telone C-17 is the superior fumigant for disease control and Vapam (metam sodium) did an excellent job on weed seeds, we decided to do a split application of both products at the same time.

This type of fumigator has a built in roto-tiller and so it was easy to mount a top boom directly in front of this roto-tiller to spray Vapam directly on to the soil surface. Allowing the roto-tiller to incorporate the product into the top 3 inches, we were able to obtain great weed suppression.

We feel that this machine gives us a superior soil fumigation job, on nematodes, soil borne diseases, and weeds. On field trials in the provinces of Nova Scotia and Ontario we feel the fumigation results are equal to that of Methyl Bromide. The superior packing of the soil and the addition of Vapam (metam sodium) to us, is a great combination.

Slides

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