

RESIDUES OF OXAMYL IN MINT OIL

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The pesticide oxamyl (Vydate) has been found effective for the control of nematodes in the mint fields of Oregon. Samples of mint oil from plots established in the Willamette Valley were analyzed to determine the residual behavior of this pesticide in mint. The gas chromatographic method developed was sensitive to 0.1 ppm and recoveries averaged 80%. Storage studies indicated no significant losses of the pesticide during storage.

Representative residue data are summarized in the following table.

<u>Formulation</u>	<u>Number of applications</u>	<u>Rate, lb ai/acre</u>	<u>Interval, days</u>	<u>Residue, ppm</u>
EC	1	1	49	<0.1
EC	2	1	49	<0.1
EC	1	2	49	<0.1
EC	2	2	49	<0.1
Granular	1	2	49	<0.1
Granular	2	2	49	<0.1