

**Soil Technologies Corp.
Research and Development Department**



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Research Report

Title: Effect of Intercept on Carrot Crop Quality

Location: Riverside, CA

Principal Investigators: University of California, Riverside

Crop: Carrot

Date: 1990

Abstract:

The purpose of this trial was to evaluate the effect of Intercept on the marketability of carrot crops. Several different treatments were applied to carrots and then evaluated for the percent of carrots that were marketable. The following treatments were tested in this trial Intercept¹, Vydate^{®2}, Vydate 6, Nema-cur^{® 33}, Nema-cur^{® 6}, Vapam^{®4} 50GPA, Vapam[®] 60GPA, Mocap^{®5} 3, Zap⁶ 1GPA, Super Bac⁷, Microplex⁸, and a control.

Methods:

Several different treatments were applied to carrots and then evaluated for the percent of carrots that were marketable. The following treatments were tested in this trial: Vydate, Vydate 6, Nema-cur 3, Nema-cur 6, Vapam 50GPA, Vapam 60GPA, Mocap 3, Zap 1GPA, Super Bac, Microplex, Intercept, and a control.

Results:

Carrot plants that were treated with Intercept produced the highest percentage of marketable carrots out of all treatments tested. Zap 1GPA had the second highest percentage with Super Bac and Vydate 6 producing the third strongest results.

¹Intercept is a natural soil inoculant developed and manufactured by Soil Technologies Corp. in Fairfield, IA, USA

²Vydate is a chemical pesticide CAS # 23135-22-0

³Nema-cur is a chemical insecticide CAS # 22224-92-6

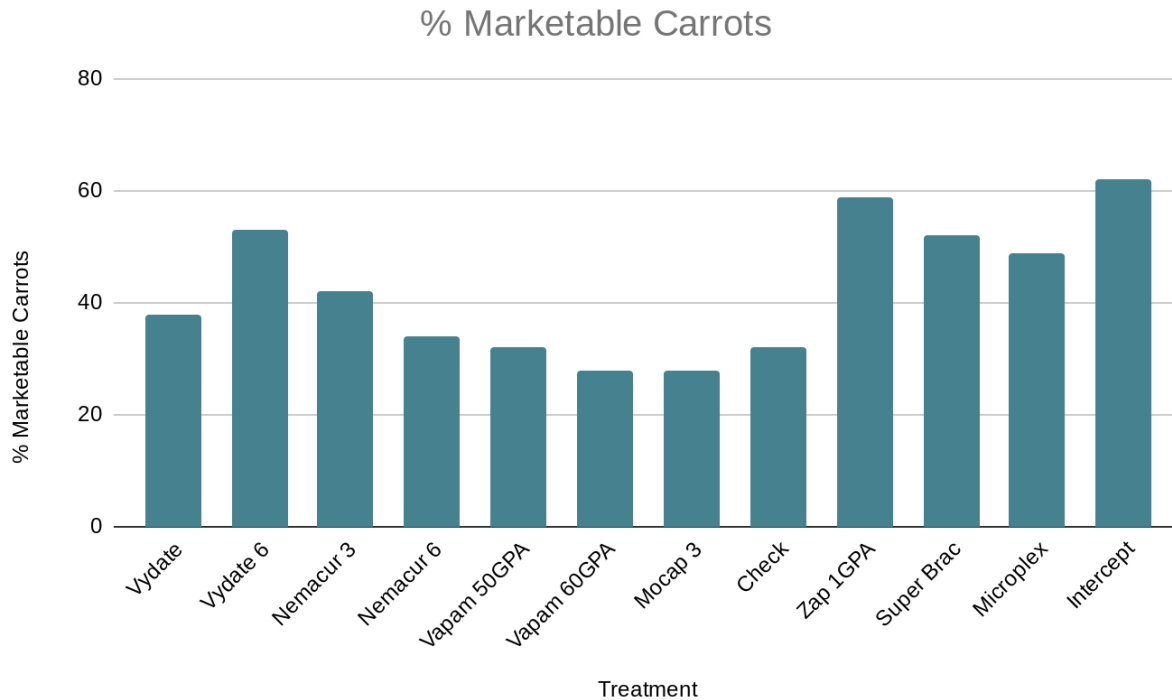
⁴Vapam is a chemical pesticide CAS # 137-42-8

⁵Mocap is a chemical insecticide/nematicide CAS # **13194-48-4**

⁶Zap is a chemical pesticide

⁷Super Bac is a chemical pesticide

⁸Microplex is a chelating agent



Conclusions:

Findings from this trial suggest that carrot plants treated with Intercept produces more marketable carrots than the treated with other products. Carrot plants that were treated with Intercept produced the highest percentage of marketable carrots out of all treatments tested. Zap 1GPA had the second highest percentage with Super Bac, and Vydate 6 producing the third strongest results.