

No. 35

COLLEGE OF AGRICULTURE,
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Vegetable Crop Specialists

AGRICULTURAL EXTENSION SERVICE
COUNTY AGENT AND
HOME DEMONSTRATION WORK
GAINESVILLE, FLORIDA

VEGETARIAN

GENTLEMEN:

June 13, 1956

You've been following closely the pesticide residue studies of Dr. C.H. Van Middlem here at the Main Station....cooperative with Station entomologists throughout Florida. Van's the man whose results made possible the practical interpretation of "parts per million" tolerances into "minimum days last application to harvest, within limits of Florida Station research"....Circular 140, pesticide guide, hand-book, Vegegram, etc.

NOW, there's a lot of discussion as to just what will be the situation next season on the use of systemic insecticides in vegetables. Most of you are familiar with the "21-day interval" before harvest recently associated with systox(demeton).

We don't have an answer at this time....however, we do know that a lot of people are greatly interested in how systox is coming out in the two-year studies just completed.

Below are those studies compiled and summarized by Dr. Van Middlem, offered at this early date to assist in formulation of appropriate decisions one way or the other well in advance of the coming Fall season. Work is continuing to supplement this information.

SUGGESTED TIME INTERVALS FROM LAST APPLICATION TO HARVEST FOR SYSTOX TREATED VEGETABLES BASED ON RESIDUE STUDIES IN FLORIDA, 1955-56 (June 12, 1956 - C.H. Van Middlem)

Grouping * <u>Class</u>	<u>Crop</u>	Oz. Active/Acre Per Application in Experiment	Number Applications	Suggested Time Interval(days)
I (Fruits)				
4	Strawberries	4	1-2	7
14	Tomatoes	4-8	3	7
15	Snap beans	2-4	2	7
17	Squash, summer	8	2	7
II (Leafy Vegetables)				
1	Broccoli	6	1	21
1	Cabbage	(12-20 at transplanting)	1	(70)
		4-6	3	21
1	Cauliflower	6	1	21
1	Chinese cabbage	4	1	21
2	Mustard	2-4	2	14
2	Turnip tops	2	4	21
3	Celery	(12-20 at transplanting)	1	(100)
		4-6	4	21
3	Endive(escarole)	4-6	1	21
3	Lettuce	2-4	2	14-21
III (Root Crops)				
1	Radish	6	1	7
1	Roots, turnip	4	4	7
2	Potatoes, Irish	(2-8 on foliage)	1	21
		(4-8 drench at emergence)	1	21

*By National Research Council so that comparisons may be applied to several crops having similar characteristics for residue retention and determination.

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