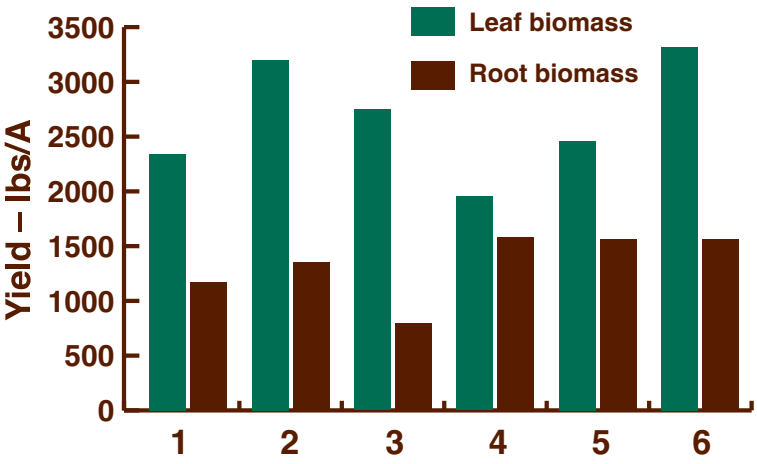
MICHIGAN STATE UNIVERSITY EXTENSION

Michigan Agricultural Experiment Station
Michigan State University

Effects of nitrogen on oilseed radish

Purpose

Evaluate the influence of nitrogen on the growth of two oilseed radish varieties.



County:	Gratiot
Cooperator:	Mark Chaffin
Nearest town:	Ithaca
Tillage:	Conventional
Previous crop:	Cucumbers
Planting date:	08/07/03
Fertilizer:	None
Herbicide:	None
Harvest date:	11/12/03
Exp. design:	RCB, three replications

Treatments Radish variety	N lbs/A	Leaf lbs/A	Root lbs/A	Population no/ft^2
1. Colonel	0	2344 ab	1171 ab	6.8 a
2. Colonel	25	3200 a	1355 ab	7.1 a
3. Colonel	50	2747 ab	794.4 b	6.7 a
4. Rimbo	0	1954 b	1587 a	7.0 a
5. Rimbo	25	2463 ab	1562 a	7.5 a
6. Rimbo	50	3319 a	1568 a	8.4 a
LSD 0.05		986.1	636.5	3.2

Results

Rimbo significantly increased leaf biomass when 50 lbs/A of nitrogen was applied as compared to no nitrogen added. Colonel root biomass at 50 lbs/A of nitrogen was significantly lower than all Rimbo treatments at 0, 25 and 50 lbs. of nitrogen, respectively. There was no stand reduction from N applications. These data suggest there is a response to nitrogen by oilseed radish varieties.

A o E FIELD CROPS TEAM

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