

EXPLORING NO-TILL EQUIPMENT FOR ORGANIC VEGETABLES

FOR

**LIVING-LABS ONTARIO, THE ECOLOGICAL FARMERS ASSOCIATION
OF ONTARIO AND ORCHARD HILL FARM**

BY

FARMER /INNOVATOR

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LIVING LABORATORIES INITIATIVE

Organic No-Till Vegetable Trials

efao.ca/living-lab

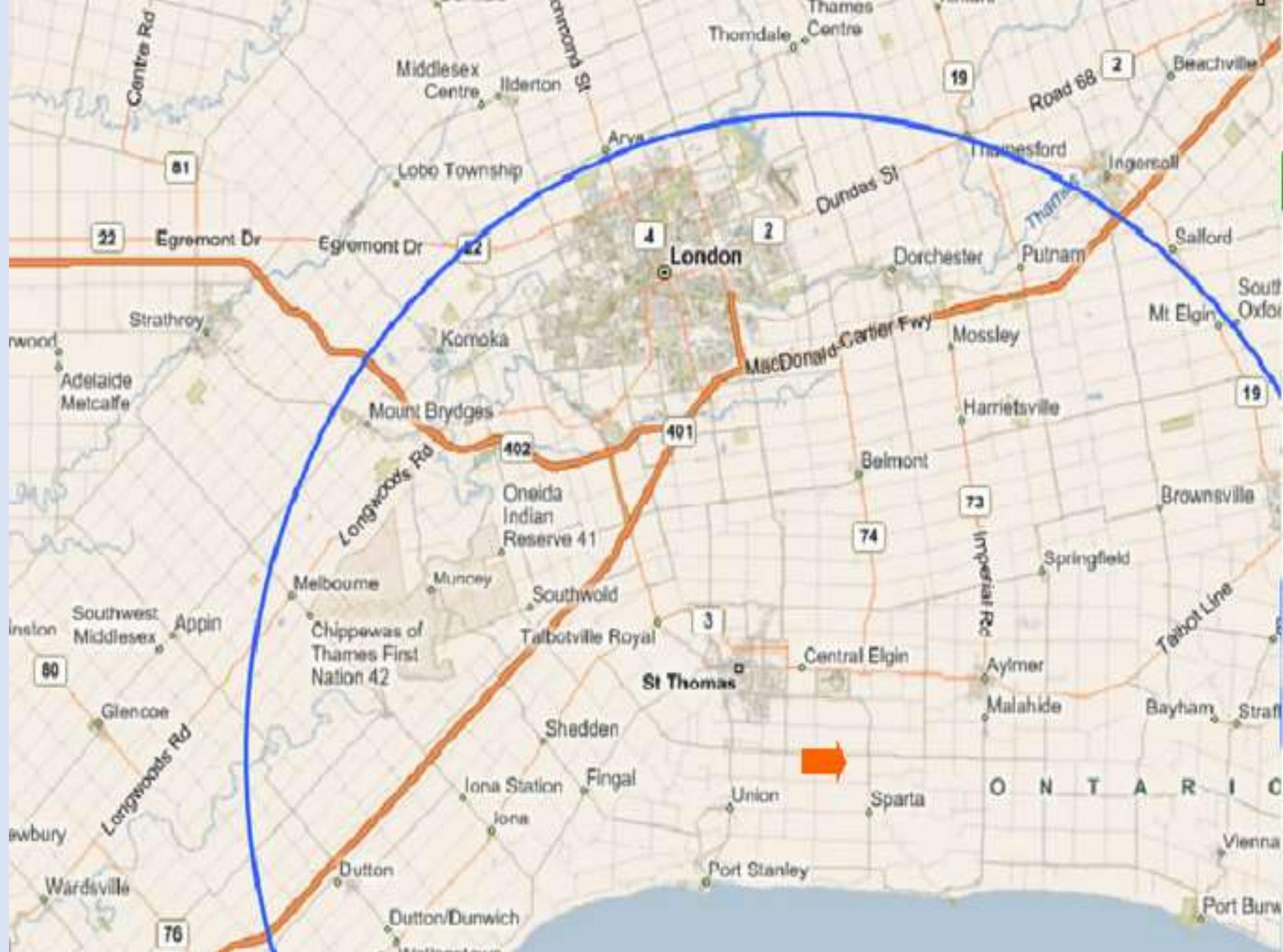


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Canada



No-till Techniques Tried

- Deep Compost Mulch – about 2 “ spent mushroom compost – on tilled soil, winter killed cover or rolled cover
- Winter killed cover crops -sorghum sudan, sorghum sudan/ sunn hemp, pearl millet, pearl millet/cowpeas, daikon
- Roller/crimped – rye/ hairy vetch, hairy vetch, crimson clover
- Flail mowed [before transplants – after seeding] – rye/hairy vetch, pearl millet/cowpeas



LANCASTER
SPREADER *Classic*





Crumbler press wheels on the right
for no-till conditions





Homebuilt no-till drill

8 runs 8" apart

Tank for liquid amendments or extra weight

Openers from Crust Buster no-till drill



No-till drill

- Seeding into winter killed sorghum sudan





RJ No-till Transplanter

- Large ripple coulters to cut through heavy residue
- Blue shank for subsurface tillage





Double disc openers in front of shoe

















Side coulters and carrot blades on potato digger to work in no-till conditions





Bed roller/crimper

- 60" wide
- Made by Yetter
- Clamps right on pallet forks



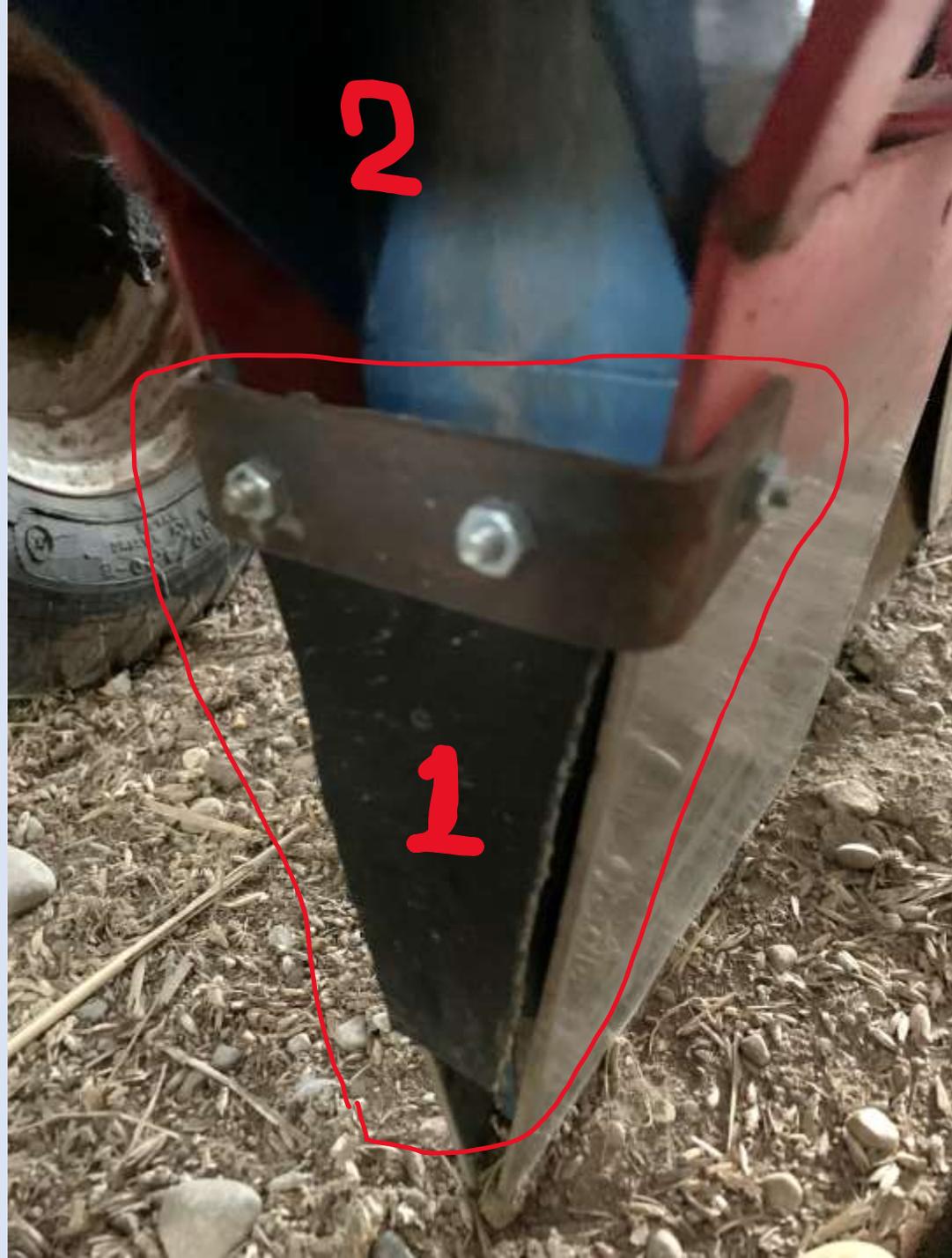


WINTER SQUASH YIELDS 2021

Variety- Butterscotch

Treatment	Average yield
Transplanted no-till Into rolled rye/hairy vetch	13,684 lb/ac
Transplanted no-till into Rolled hairy vetch	29,950 lb/ac
Deep compost mulch on top Of various cover crops	46,616.3 lb/ac









**LIVE LIKE YOU ARE
GOING TO DIE
TOMORROW**

**FARM LIKE YOU ARE
GOING TO LIVE FOREVER**

