




Farm Hack
Farmer Built & Modified Tools

Farm Hacks - Farm Built & Modified Tools








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What is a Farm Hack and why do we Hack?



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What is a Farm Hack and why do we Hack?

- Lack of Used Equipment
- Lack of Small Scale Equipment
- Cost of New Equipment
 - Barrel Washer - \$4000 - \$40,000
 - Soak Tank - \$5000 - \$25,000
 - Conveyers - \$3000 +
 - Box Tipper - \$5000 +
 - Mulch Layer \$4500 - \$8000
 - Transplanter \$3000 +
 - Bagger - \$5,000 - \$60,000

New & Used Equipment


- Wilsie Equipment
- Tram Sales
- Market Farm
- Rainflo
- Buctraco
- Sutton Ag

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Drawbacks With Growing in Plastic





Bare Soil

Weeds – Erosion - Mud



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Plastic Mulch Layer/Inter Row Cover Crop Seeder / Granular Fertilizer Applicator

-John Deere Hoe Drill
-Removed middle section of Hoes & Packer Wheels
-Inserted a custom made plastic mulch layer that is lifted by hydraulic rams similar to one used for trees
-added granular fertilizer applicator

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Mulch Layer Video



Farmer John
The CACHE Project

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Crops

Rye
Fast Growing
Mowing Promotes Tillering
Easy to Incorporate Residue




White Clover
Use on Pumpkins and Squash
Low Growing









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Post Season
2 passes with a disk
1 pass with a rototiller

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Transplanter

www.rainfloodirrigation.com - Parts
<http://www.bustraco.com> - Parts

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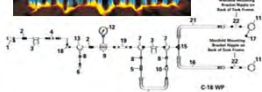
Cultivation Tools In Row Cultivators

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Flame Weeding
Burner Parts & Build
Diagrams

www.flameengineering.com
Hoses & Fittings
Local Propane Hose supplier

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Sweeps & Tines
www.marketfarm.com
 Case Dealerships - Tines & Sweeps






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Grading Equipment









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Washing Equipment
 Soak Tank
 Barrel Washer

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Barrel Washer




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Grading Equipment Parts

- Metal - Local Machine Shop
- Motors - AC Pump & Motor (Red Deer)
- 3 Phase Controller - AC Pump & Motor, Ebay
- Belting - Growers Supply
- Dirt Separation Stars - Growers Supply

Other Vegetable Equipment Suppliers







- Banga Equipment
- Tram Sales

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Veggie Bagging Scales

- Dial Scales - \$15 - \$80
- Tip Scales - No longer Available
- Semi Automatic Baggers \$3000-\$15,000
- Automatic Baggers \$50,000 +

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Digital Tip Scale

- Control Meter - Red Lion IMS 03162
- Load Cell - Celltron LOC-10kg
- Tipping Scoop - Custom Build
- NC Push button
- 12V switch
- Box
- Parts Sourced from Ebay



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Passive Solar Greenhouse



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Future Farm Hacks

- Electric Tractor
- Raspberry Pi Weather Stations

Resources

www.farmhack.org

<https://www.facebook.com/Farm-Hack-514798055226447/>



Have Fun & Have a Great Year



John Mills john@eaglecreekfarms.ca