



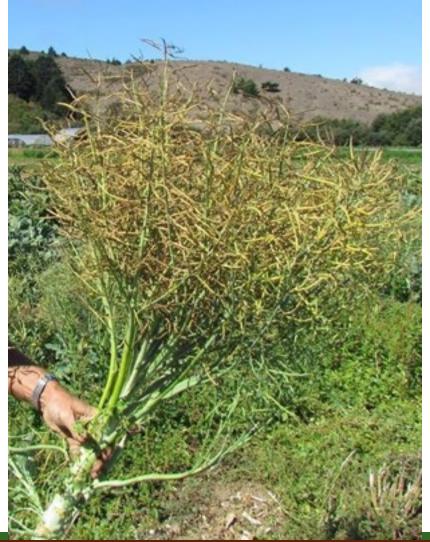






Gauging Harvest By Plant Color















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Can be OK to harvest when green if necessary





Cut whole plants and windrow to allow for fullest maturation





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Screening

- Separation by size
- Remove larger chaff –
 "top screening"
- Remove smaller debris
 - "bottom screening"
- Separate seed sizes
- Screening materials





Screens























Winnowing

Separation by Weight Consider: Airflow, consistency, falling distance, multiple bins







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Light Seed and Chaff

Good, Heavy Seed



































Home Made Air Column Separator





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Winnow Wizard – Luterra Enterprises, LLC











Table Top Vibrator Separator













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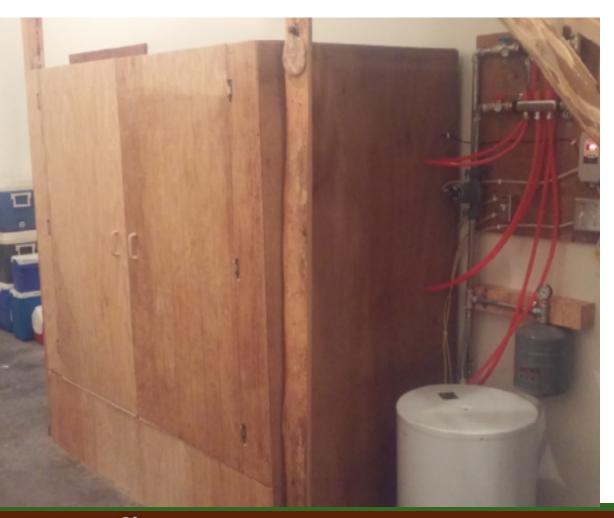






Hydronic Seed Dryer

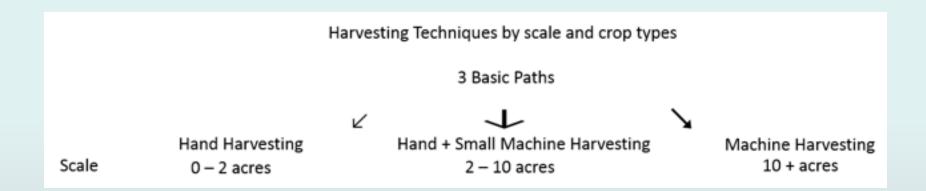
By Mark Luterra, Luterra Enterprises LLC (luterra.com)











Dry Seed Crops

Pull type threshers or pull type combines

Buckets, Sheets, Fans or Stationary Threshers

Self-propelled Combines











Seed Cleaning

Cleaning Overview

- Screen Cleaner
- Aspirators
- Gravity Tables
- Indent Separators
- Brush Machines
- Spiral Separators
- Color Separators
- Precision Sizers



Scale

Hand Harvesting 0 – 2 acres

Hand + Small Machine Harvesting 2 – 10 acres

Machine Harvesting 10 + acres













Gravity Table

Separation by Density

- Full, heavy objects climb the deck
- Light objects and duff move down.
- Air lifts the seeds
- Decks have different textures surfaces







Gravity Table

Operating Tips

- 1. Absolutely essential to keep the table fully covered
- 2. Must have STEADY input for reliable, even distribution across the deck surface
- 3. Make sure you have the correct deck for the seed you are using
- 4. If seed is not flowing well, check the air volume and vent screens

Select the correct size machine for your volume of seeds.

Good separation takes a few minutes at full volume and correct adjustment to begin working well; seeds have to move across the whole deck.







Thank You!

John DeRosier

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Wet-seeded crops



Fully vine-ripened Tomato & Pepper fruit is best for seed

















Mixing fermented pulp and seed

















organic Seec

