Minimize

- Limit the stuff stored on the soil
- By Time of year
- Equipment types (PSI Management)
  - maximize number of tires,
  - Require wide ‘floating’ tires
  - Require tracked equipment
- Soil protective distribution covers (use CBR)
  - Temporary and Permanent
    - Mats, pads
    - Armoring
- Repair quickly
Limit the stuff, from this,
To this.
Time of year
Worst time
Confined limits
BMP: Aeration Fill
BMP: Slash Mulch (soil bridging)
Corduroy (ordered)
BMP: Geowood Road
BMP: Geotextile reinforced mats
BMP: Pipe mats
BMP: Timber mats
BMP: Soil Armor
Quick cover
Reminder: Decontamination Protocols

• Removal all visible plants, seeds, mud, soil
• Pressure wash
• 7 day Dry or use hot water
• Document operations
• Shipping manifest
**Burner Temperature Hour Meter**

**WARNING:** Burner should start only when water is sprayed. Turn on only after engine is running.

**ON (Prendido)**

**OFF (Apagado)**

Insert steam nozzle for 250° steam.

Turn off burner and cool before shutting off pump or before refueling.

Turn engine key off to prevent hour meter from registering.
Mitigate

• Specific vegetation
• Add spongy soils (compost/peat)
• Chemical application
  – Soaps
  – Calcium
• Ripping/tillage
Vegetative Decompaction

• Quick cover
  – Radish
  – Turnips
TILLAGE RADISH® RIPPER VS STEEL

The Tillage Radish taproot does all the hard work so you don’t have to. It acts as a Ripper or strip tiller, reaching subsoil without bringing up rocks, bringing up nutrients instead. It will work for you even when the soil is too wet to till. Which means not only less work for you, but less fuel consumption. Improved soil fertility is a result of Tillage Radish storing nutrients including (N), (P), (Ca), and more, then making them available for your next crop.

“No piece of steel can benefit the soil like the roots of a good cover crop.”
— Steve Groff, farmer & cover crop innovator

COST OF V-RIPPER PER ACRE
LinderFarmNetwork.com
2011 Farm Custom Rates

$25.00

WHAT THIS MEANS FOR YOUR BOTTOM LINE:
Tillage Radish gives you more then savings on the cost of using steel. The bio-drilling traits of this powerful taproot breaks up your compaction with long term benefits that add up!

• Vital nutrients held & released = higher crop yields
• Long taproot breaks up soil much deeper than a V-Ripper can
• Less work in field, less fuel used = reduced operating costs

TILLAGE DEPTH COMPARISON

Tillage Radish

Up to 32”

Breaks up soil with its long taproot

Or, Welk explores the root growth in a soil pit. The labor pushes soil up making it more mellow. As bottom photo shows, no need to till soil that looks like this!

Ripper

Approx 12”
Compost soil sponge
Mechanical Equipment

• Shallow
  – Disk, Ag chisel, harrow
  – Spading machine

• Medium
  – Silt fence machine, utility trencher

• Deep
  – Tractor chisel plow
  – Excavator ripper
  – Cat ripper
Shallow Ripping/Tillage
Spading Machine
Medium ripping or confined space
Urban Examples