Agronomy Technical Note #55

Tillage and Seeding Equipment
Southwestern Idaho

The following photos provide the RUSLE2 name for the farm implement /equipment

Marlon Winger
NRCS, State Agronomist, Idaho

Giulio Ferruzzi, Ph.D.
NRCS, West Tech Center,
Conservation Agronomist

Photo credits: George Davis

Use of brand names in this presentation does not imply an endorsement or recommendation for a preferred implement or system
Add Mulch (RUSLE2)

Straw Mulcher (common name)
Aerator, field surface, ground driven (RUSLE2)
Lister 30 inch, or Bedder, hipper, disk hiller (RUSLE2)
Lister 30 inch, or Bedder, hipper, disk hiller (RUSLE2)

Grain Corrugator w/ slickers (common name)
Lister 30 inch, or bedder, hipper, disk hiller (RUSLE2)
Bedder, hipper, disk hiller (RUSLE2)
Chisel, st. pts.  (RUSLE2)

Chisel Plow with spike points  (common name)
Roller, corrugated packer (RUSLE2)

Cutlipacker (common name)
Roller, corrugated packer (RUSLE2)
Cultivator, Field w/ spike points and coil tined harrow (two operations) (RUSLE2)
Cultivator, rotary on beds (RUSLE2)

Lilliston Cultivator (common name)
Cultivator, row 1 in ridge (RUSLE2)

Row crop cultivator, this tool folds down when not in transport (common name)
Disk, offset, heavy (RUSLE2)
Disk, tandem light finishing or Disk, tandem secondary op. (RUSLE2) depends on depth
Drill or Air seeder with single disk openers 7-10 in spac. (RUSLE2)

Single Disk Grain Drill
Drill or air seeder double disk (RUSLE2)
Drill or air seeder (RUSLE2)
Planter, small veg seed (RUSLE2)

Planter onion & legumes in rows (common name)
Planter, double disk opnr (RUSLE2)

plants corn, beans or beets
Drip tape injection shank (RUSLE2)

Drip tape installer (common name)
Drip tape injection shank (RUSLE2)
Fert. Applic. anhyd knife 30 in (RUSLE2)
Harrow, spike tooth (RUSLE2)
Harrow, Spike tooth (RUSLE2)
Harrow, heavy and Rolling basket incorporator

(RUSLE2)
Harrow, spike tooth and roller, smooth (RUSLE2)

Harrow style bed knocker (common name)
Rake or windrower  (RUSLE2)
Rodweeder and Roller, basket incorporator (RUSLE2)

Bed Knocker (common name)
Landplane (RUSLE2)
Land plane and Harrow, coil tined

Land plane w/ surface roughener trail model (common name)
Manure spreader, solid & semi-solid (RUSLE2)

remember the effectiveness factor
Mower, swather, windrower (RUSLE2) several options
Lister 30 “ or Bedder, hipper, disk hiller (RUSLE2)

Mint Planter (common name)
Knife, windrow dry beans (RUSLE2)

Beancutter (common name)
Rodweeder and Bedder hipper, disk hiller (RUSLE2)

Onion lifter (common name)
Rodweeder (RUSLE2)

Onion lifter (common name)
Planter, potato, 6 in beds (RUSLE2)
Harvest, dig root crops res. buried (RUSLE)

Sugar Beet Harvester (common name)
Harvest, dig root crop res. buried

Mint Root Harvester (common name)
Plow, reversible (RUSLE2)
Plow, moldboard 10 inch depth  (RUSLE2) check depth with producer
Roller, smooth (RUSLE2)

Rubber tired roller
Rolling basket incorporator (RUSLE2)

Plow packer (common name)
Rotary hoe (RUSLE2)
Rototiller, field (RUSLE2)
Field cultivator w/ spike points and Rolling basket incorporator  (RUSLE2)

Triple K Scarifier  (common name)
Cultipacker, roller (RUSLE2)

Groundhog or Brillion cultipacker (common name)
Cultipacker, roller (RUSLE2)

Seedbed finisher, Brillion (commercial name)
Shredder, flail or rotary and Roller, on beds (RUSLE2)
Shredder, flail or rotary (RUSLE2)
Subsoiler (RUSLE2)

Fumigation (common name)
Ripper, intra row and furrow diker (RUSLE2)

Furrow diker, dammer diker (common name)
Subsoiler (RUSLE2)
Subsoiler, in row strip conditioner (RUSLE2)

Strip till (common name)
Subsoil disk ripper  (RUSLE2)

Disc Ripper  (common name)
Para-plow or para-till and rolling, basket incorporator (RUSLE2)
Subsoil disk ripper (RUSLE2)
Subsoiler bedder (ripper/hipper) (RUSLE2)

Spud Bedder, subsoiler in row (common name)
Sweep plow 20-40 in. wide (RUSLE2) several widths

Crowner or Noble blade (common name)