

COMMON TOOLS FOR SMALL FARMS AND GARDENS

USDA-NRCS Indiana Training Document—October 2022

ROW SEEDERS—sow vegetable or cover crop seed, can prove difficult in high residue with existing models



Jang Push Seeder



*Optional Double Disc Attachment
for Jang Seeder*



Earthway Seeder

FURROWING AND STRIP TILLAGE TOOLS—create furrows for seeds or transplants, or break up soil prior to row seeder



Wheel Hoe



Pointed Hoe



Hand Hoe or Ridger

TRANSPLANTING TOOLS—create slots for transplants or bulbs



Trowel



Dibblers



Auger

Photo credits: johnnyseeds.com, bcsamerica.com, and easydigging.com

BED PREPARATION TOOLS - smoothing and firming



Seedbed Roller



Bed Preparation Rake

BED PREPARATION TOOLS - shallow tillage



Tilther



Power Harrow (for walk-behind tractor)



Wheel Hoe



Rotary Cultivator



Rake



Hoe

WEED CONTROL / CULTIVATION—Some tools can be utilized for primary tillage and bed preparation as well



Stirrup Hoe



Collinear Hoe



Wire Hoe



Tine Weeder



Tine Cultivator



Finger Weeder

TARPS



FLAME WEEDER



BROADFORK



GREENS HARVESTER



MOWING AND CUTTING TOOLS– for crop and cover crop termination and residue management



Flail Mower



Weed Whacker



Sickle

SMALL FARM TERMS — DEFINITIONS

Direct seeding

Direct seeding involves the sowing of seeds directly into the soil to achieve germination and establishment.

Transplanting

The process of moving a fully germinated seedling (or mature plant) and replanting it in a permanent location for the growing season.

Interplanting

Seeding a cover crop or secondary crop alongside the primary harvestable crop in a given bed or growing area.

Bed flip / Bed flipping

The process of switching a particular bed or growing area from one crop after harvest to another crop (either seeded or transplanted). Incorporates the tools, amendments, disturbance and all processes a grower will do to the bed to transition to the next crop. Use: “How do you flip your beds?”

Bed prep / Bed preparation

Similar to bed flipping – the process of preparing a particular bed or growing area prior to planting with a crop.

Broadforking

The process of using a broadfork - a garden tool used to manually break up densely packed soil, including hardpan, to improve aeration, and that does so without minimal disturbance of soil structure.

Tilthing

The process of using a tiller to cultivate a crop or prepare a bed prior to planting with the crop. It is designed to reduce soil disturbance and shallow tills or “tilths” the soil surface.