

Tractor Implements

Language created by Sedrick Rowe of Rowe Organic Farm, LLC

Fertilizer spreader



- Distributes granular or crystalline fertilizer and seeds

Rotary Tiller



- Initial tillage - breaking up hard soil
- Second tillage - mixing soil after it has been broken up, before planting
- Cultivating while crops are growing to control weeds

This material is based upon work that is supported by the National Institute of Food and Agriculture, U.S. Department of Agriculture, through the Southern Sustainable Agriculture Research and Education program under subaward number LS22-383, and the Beginning Farmer and Rancher Development Program grant no. 2021-70033-35712/project accession no.2022-00334. USDA is an equal opportunity employer and service provider. Any opinions, findings, conclusions, or recommendations expressed in this publication are those of the author(s) and do not necessarily reflect the view of the U.S. Department of Agriculture.

Harrow



- Pulverize soil
- Break up crop residues
- Uproot weeds
- Cover seed

The Moldboard Plow (also called Bottom Plow)



- Turns over topsoil
- Bringing subsoil to the top
- Burying weeds and previous crops
- Speeds decomposition.

Strip-till systems



- Reduces water erosion
- Reduces wind erosion
- Improves soil organic matter content
- Reduces CO2 losses from the soil