

14 Organic Integrated Weed Management

One Year Seeding is Seven Years Weeding



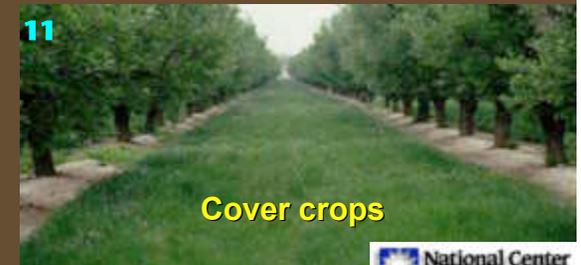
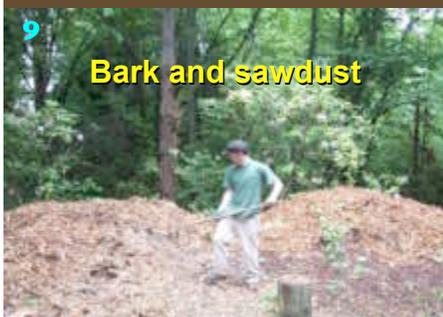
- Remove the weed before it produces seed. It is easier to weed one plant today than 1,000 weeds next year.
- The soil is a reservoir of seeds, a seed bank.

Early weed competition reduces quality and yields

How to Prevent Weed Damage

- Plant clean or certified seed
- Avoid importing manure or compost that has not been well composted or decomposed
- Crop rotation decreases the seeds of weeds that grow well with certain crops

Ground Covers



For more information call the ATTRA project toll free at 1-800-346-9140.

1 Pre irrigation

Before planting, a pre-irrigation followed by a cultivation can reduce weeds.



2 Hand mowers

3 Tractor mowers



4 Transplants give your crop a head start.



5 Hand hoeing weeds

Flamers



8 Solarization

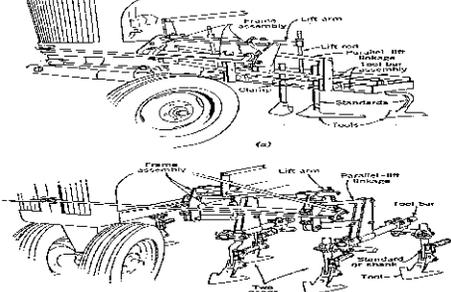
This works better in warm regions. Cover moist soil with 1 or 2 layers of clear plastic for 6 to 8 weeks during the summer. It will sterilize 4 to 6 inches deep, destroying weeds seeds and other pests.

Flamers on Tractors



Organic Integrated Weed Management

1 Mechanical Cultivation



2 Implements

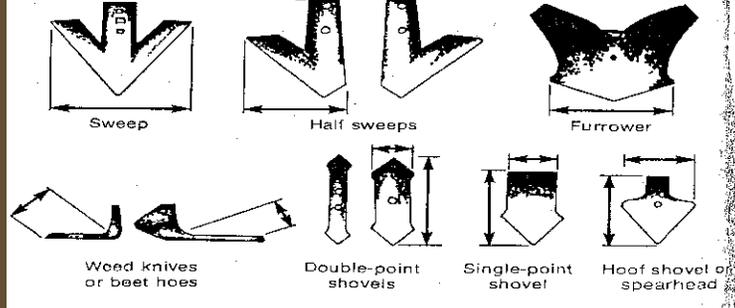


Photo: PAV Lelystad, The Netherlands



Lilliston



Squirrel Cages



Rotary Cultivator



Flexible Tooth Cultivator



Manual Cultivators



Weed with Animals



9 Chickens

Chickens graze pastures or clean up after harvest if they are confined to mobile cages known as chicken tractors.



10



11 Sheep
Can be used to clean up fields after harvest



12 Geese

Prefer grass but will eat some broadleaves — ideal for orchards or vineyards.



13 Goats
Good for brush & noxious weed management