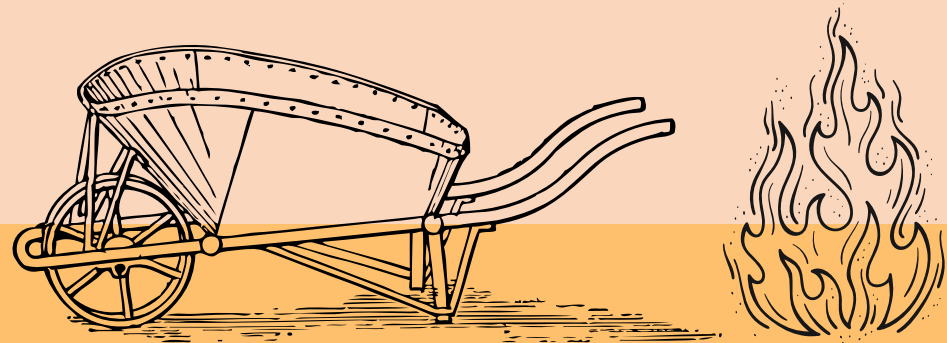


PHYSICAL

STRATEGIES OF WEED MANAGEMENT

WHAT IS IT?

A method that involves mechanical strategies that remove or damage weeds such as hoeing, mowing, cultivating, and mulching. Modern physical strategies in development include electricity, fire, lasers, impact mills and robots. This strategy targets both weed plants and weed seed.



HAND REMOVAL

To cut or chop plants or move soil in order to disrupt and move weeds via hoeing, hand pulling, machetes, etc. This is not as common in Canadian agriculture, but does happen in high value crops.

MOWING

Cutting weeds at or near ground level to suppress weed growth and prevent seed production

Contact Breanne Tidemann
(breanne.tidemann@agr.gc.ca) for more
information.

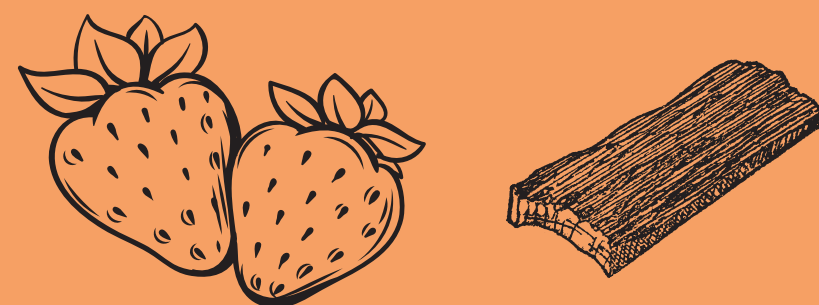


CULTIVATION

Uproots or buries weeds and seed through methods such as tillage including discs, cultivators and ploughs. It's most effective on small seeded weeds

MULCHING

Applying mulches to suppress weed growth by preventing sunlight penetration and providing a barrier for weed emergence. There are 2 categories, organic such as bark and compost, and inorganic such as plastic or "weed barrier" fabrics. Mulching is more common in horticulture crops.



HARVEST WEED SEED CONTROL

Manage the weed seeds still in the field at harvest and prevent dispersal through methods such as the chaff cart and seed impact mill.

FUNDED BY:



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