

Mulching

This method involves covering the entire field or pathways with mulching grass (such as vetiver) or using vinyl mulch across the field and combining it with grass mulch on pathways. These measures eliminate the bare soil condition in fields and help prevent red soil runoff.

The effectiveness of full-field mulching in preventing red soil runoff is estimated to be 90%, while the effectiveness of partial mulching (e.g. on pathways, etc.) is approximately 80%.

Types of Mulching

Grass Beds Mulching

Cover the entire field or pathway with a layer of bedding grass thick enough to cover the soil completely.



Full-field Mulching



Partial Mulching (pathway)

Vinyl Mulching

- (1) Before applying vinyl mulch, perform tasks such as tilling, soil crushing, and fertilizing.
- (2) Stretch and secure the vinyl mulch over the field.
- (3) For cases other than full-field mulching, apply grass mulch over the vinyl mulch to a thickness sufficient to cover the soil.

※In the case of pineapple fields, using biodegradable mulching materials offers added benefits. During field renewal, this material can be tilled into the soil, eliminating the need for separation handling of the mulch. This reduces labor for mulch disposal and eliminates the cost of processing waste plastic.



Full-field Mulching



**Full-field Mulching
(with grass mulch)**