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## Mulch foil

Mulching is the practice of covering the soil to achieve more favorable conditions for plant growth, development and efficient crop production.

Traditionally mulching is done with all different kinds of organic matter; i.e.: grass, straw, hay, weeds, etc.

Nowadays mostly synthetic materials like plastic foils are used.

The plastic mulches are completely impermeable to water. Therefore it prevents direct evaporation of moisture from the soil and thus limits the water losses and soil erosion over the surface and plays an important role in conserving water.

### Advantages of plastic mulching

1. Moisture retention:
  - It prevents the direct evaporation of moisture from the soil and thus limits the water losses.
  - By evaporation suppression.
2. Leaching reduction:
  - The mulch facilitates fertilizer placement and reduces the loss of plant nutrient.
3. Less soil compaction:
  - The soil under the mulch is protected from foot traffic and rainfall. This helps keep the soil loose, friable and well aerated.
  - Water erosion is completely averted since soil is completely covered from the bearing action of raindrops.
4. Improved fruit quality:
  - The mulch is a barrier between the soil and the fruit. This results in cleaner fruit and reduces soil-borne diseases that may infect the plant.
5. Weed suppression:
  - Opaque mulches prevent the weeds from receiving light.
6. Insect and disease suppression:
  - Aluminum foil mulch will repel certain insects.
7. Reduced drowning of crops during the rainy season.
  - As the mulch is impermeable the tapered bed will shed the water and excess water will run off the field, reducing drowning and other excess water stress.
8. Mulches develop a microclimatic underside of the sheet, which is higher in carbon dioxide due to the higher level of microbial activity.
9. Less nematode population.

We supply mulch foil with aluminum topside and a black down side.

It is sold in pieces of 50 m long and 1.20 m wide.

Large quantity rolls are available on request.

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#### Disclaimer

We have exercised the utmost care in compiling this documentation

The data should however be handled by the user in accordance with his own knowledge and experience of local circumstances. We therefore cannot accept any liability in connection with this documentation.