

### Black Mulch Film Layer

- Enhance crop growth and harvest by:
  - a - Increasing soil temperature 2° to 3°C at soil depths of 5 to 15 cm the area of greatest root growth
  - b - Eliminating weed growth through preventing light transmission to the soil
- Choose for strawberries, grapes, white asparagus, tomatoes, melons, watermelons and other crops
- Use best during cool months

### Brown Mulch Film Layer

- Enhance crop yield by:
  - a - Controlling weed growth due to elimination of the light transmitted to the soil
  - b - Reducing temperature absorption and keeping moderate temperature around crops' roots
- Choose for strawberries, vegetables and high temperature areas
- Use best in high temperature areas

### Clear (Natural) Mulch Film Layer

- Encourage root development and early harvest by increasing soil temperature 5° to 8 °C at soil depths of 5-10 cm
- Reduce cooling and stress by warming the aerial part of the plants with the far infrared radiation generated by the soil at night
- See the crop through the film
- Choose cotton, white asparagus and melon
- Use best in cooler climates

### Silver Mulch Film Layer

- Protect plants by repelling insects, such as thrips, aphids and white flies, preventing the spread of mosaic, botrytis and other viruses
- Improve yield and quality by increasing photosynthesis from light reflection on the lower part of plants
- Deflect heat and keeps soil cooler
- Prevent risk of burn to aerial parts of plants in contact with the film
- Choose silver/black film for strawberries, melons, watermelons, squash and other crops, especially in high temperature areas
- Use best in high temperature areas

Do not blind bees, due to balance of light reflectance

### White Mulch Film Layer

- Similar to the silver layer, benefit from more extensive photosynthesis and heat deflection
- Choose white for potatoes, turnips and below-ground crops in high temperature areas
- Choose white/black for tomatoes, cucurbits, eggplant, melons, peppers and other crops that grow in height
- Use best in high temperature areas