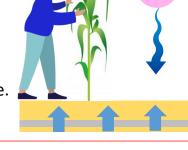
Let's insert capillary barrier in soil for salt-damage control and water-saving agriculture

- SOIL
 - Ca

- 1. Ion exchange suppresses salt accumulation.
- 2. It does not use large amounts of water to control salt damage.
- 3. It supplies minerals to the soil.





Scrape/Plow the of the salty field surface. In the case of mild salt damage, a carry-on barrier can be installed without scraping.



In severely salt-damaged fields, Scrape at a depth of 20 cm and desalt the soil with water. Using micro-bubble water saves water.

3

Calcareous materials







Prepare a calcareous material for ion exchange. The effect depends on the calcareous material.It can also be mixed with other calcareous materials.

Gravel and plant residue





The gravel is used to block capillarity and store water, and the plant residue is used to deliver water to the ground surface.

Mixing 250kg 0.37m 0.2m Calcium chloride Pebble Plant resid

Mix the gravel, calcareous material, and plant residue that are the materials of the capillary barrier. (Amount is per 1a)



Mix the ingredients and spread on the soil to a thickness of 1 to 3 cm to create a capillary barrier.



Cover the capillary barrier with washed soil. The depth of soil should be around 20 cm for most field crops.



Capillary barriers suppress salt accumulation. Calcium prevents Physiological disorders of crops.

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