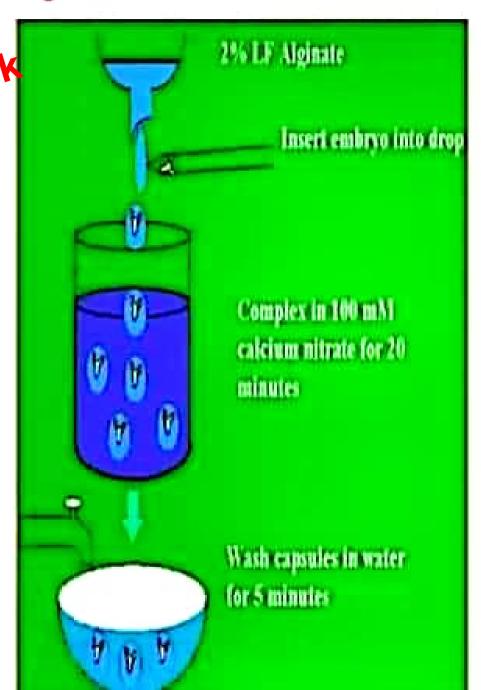
BASIC REQUIREMENT FOR THE PRODUCTION OF ARTIFICIAL SEEDS.

- One pre-requisite for the apprecation of synthetic seed technology in micropropagation of the groduction of high quality,
 Vigorouse Somatic Embryos that can produce plants with
 - frequencies comparable to natural seeds.
- 2. Inexpensive production of large numbers of high quality somatic embryos with synchronous maturation.
- 3. Encapsulation and coating systems, though important for delivery of somatic embryos, are not the limiting factors for the development of synthetic seeds.
- 4. Commercialization of synthetic seeds.

Encapsulation methods for synthetic seed

A) Dropping procedure

- 1) The most useful Vencapsulation system. system. ie Drip 2431 % sodium algerate drops from at the tip of the funnel and the somatic embryos are inserted
- 2) Keep the encapsulated embryos complex in calcium salt for 20 min
- 3) Rinsed the capsules in water and then stored in a air tight container



Benefits of Vegetable Grafting

- Resistance/tolerance to heafe stress(soil born diseases)
- Fusarium om: cucumber, melon, watermelon, tomato
- Monosporascus wilt: melon, watermelon
- Verticillium wilt: tomato, eggplant, watermelon
- Phytophthora blight: pepper
- Bacterial wilt: tomato, eggplant
- Root-knot nematodes: tomato, eggplant, pepper

Barrett et al., 2012; Davies et al., 2008; Lee, 1994; Lee, 2003; Lee and Oda, 2003; Louws et al., 2010; Oda, 2007; Rivero et al., 2003

1. CLEFT GRAFTING

- It is a simple and easy facthod
 It is saitable for a stocks with wide hypocotyls

 Preview
 Cap a Cpracticed in all vegetables

