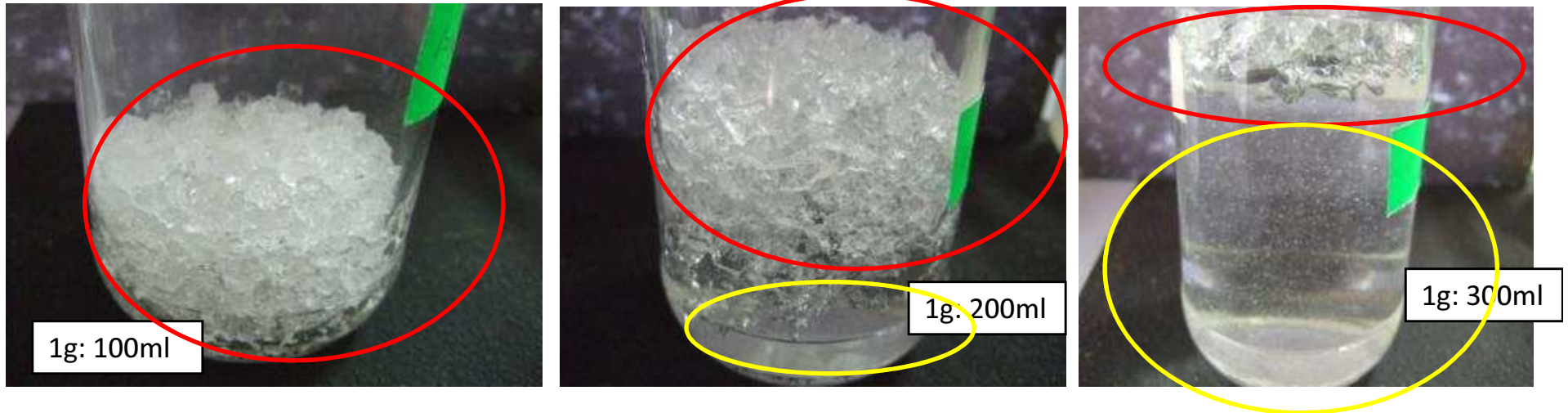


Rootmoist (water gel) study

Plant gel condition before mix with water

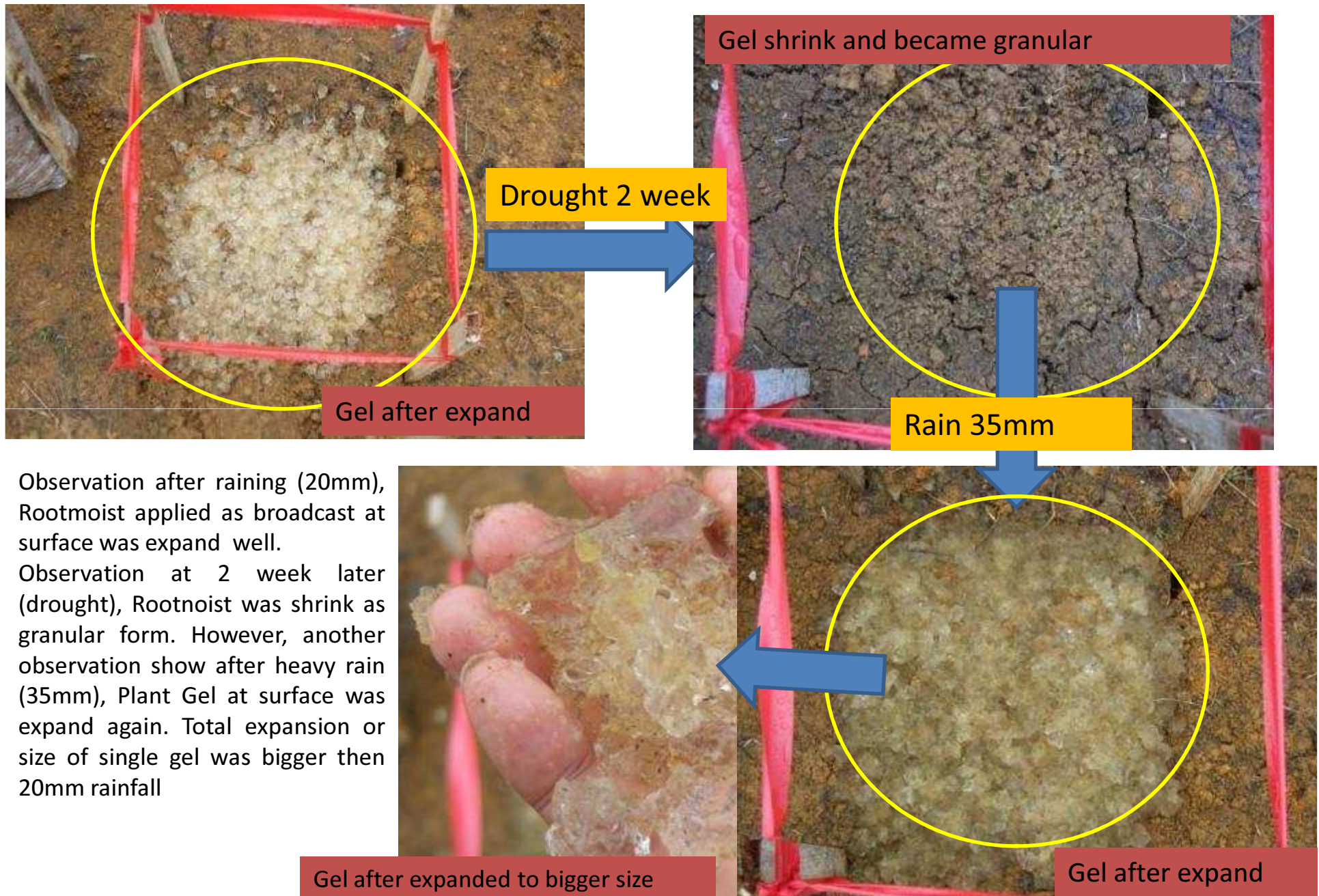


1g Rootmoist mix with water after 12 hours



When Rootmoist mix with water, it start absorb water and expands to big crystal size. After an hours, 1:100 fully expands then after few hour another two ration also fully expands. Observation found that the gel separate to two layer with down layer was liquid form (yellow circle) and upper layer are crystal form (red circle). Crystal size mean it still ability to absorb water. Water absorber capacity for Rootmoist is as high as 400x which will give better result for root growth.

Observation after dry period (2 weeks drought)



Observation after raining (20mm), Rootmoist applied as broadcast at surface was expand well. Observation at 2 week later (drought), Rootmoist was shrink as granular form. However, another observation show after heavy rain (35mm), Plant Gel at surface was expand again. Total expansion or size of single gel was bigger then 20mm rainfall