FOREVEREST PINEY™ is a biodegradable emulsion content of 100% organic piney resin. Non-toxic, no harmful residues detected, a green surfactant for plants to look water and against UV degradation. PINEY™ will save your pesticide costs and protect your plants in green grow.

PERFORMANCE TEST

1. Three samples: Sample A with standard emulsion, Sample B with testing emulsion and Sample C without emulsion, they are set up in this test for comparison.

2. To avoid dehydrating, the petal wounds of all collected plants have been dipped into the standard emulsion (as shown on the picture).

3. It is a two-days test: (1) Spraying samples on the plants at the noon of June 6. (2) process in 6 hours outdoor exposure test in the afternoon (Cloudy, 26—28°C). (3) Storage for 15 hours in room shady place in the night. (4) Final process at outdoor exposure test for next 3 hours on June 7. The testing time is 24 hours in total.

4. Results show the proximity of appearance, solubility, film forming ability and water retention ability between Sample A and Sample B.

RESULTS

1. After 0.5 hours direct sunlight, Sample C shows clear water loss and wilting conditions. After a hour, there are clearly black patches caused by water loss on Sample C, while Sample A and B only become slightly wilting, no brown patches on them.

2. After 3 hours direct sunlight, Sample C shows serious water loss and withering conditions. Plants become wilting and curving, widely with brown patches. Sample A and B both have brown patches on plants at similar degree and time.

Figure 1 Uniform and milky white liquid after adding more water

Figure 2 Distribution effects on plants after spraying

Figure 3 Film forming performances after surface dry

Figure 4 hours after spraying, no wilting or withering condition
June 6, Afternoon, 26—28℃
Left Sample A, Right Sample B

Figure 5 After 6 hours outdoor exposure and 15 hours storage in room, no wilting or withering condition
June 7, Noon, 25—26℃
Left Sample A
Melix Sample B
Right Sample C

Figure 6 After 3 hours in direct sunlight
June 7, Afternoon, 32—33℃
Left Sample A
Melix Sample B
Right Sample C

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