

Experiment Performed by a Private Company in  
BEIJING, China

Supervised by Richard Ke

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**Plant date:** 2005-10-21

**Planting conditions:** Greenhouse

**Soil used:** Abundant of chook manure

**Plant species planted :** 茼蒿 ( 蒿子杆 ) [Garland Chrysanthemum]、小白菜 [Colza, Summer rape]、香菜 [Coriander]

**Treatment method :** Dissolved 1 pellet of **Nano-Gro™** per 1L of water, then poured water into a catch basin (aluminum basin) for 20 seconds in order to fully soak the seeds. The seeds were dried away from direct sunlight.

**Planting Method:** The seeds were arranged into four plots. The treated plants were planted diagonal to each other, and the control was planted in the remaining plots (Figure 1).

Seeds treated with <b>Nano-Gro™</b>	Control
Control	Seeds treated with <b>Nano-Gro™</b>

Figure 1



**Results** 2005-11-10

**Plant Species: 茼蒿 [Garland Chrysanthemum]**

Growth	Treated Seeds	Control
5 days	Seedling growth observed	Seedling growth not visible until 6th day
10 days	Average height of seedling: ~1 cm 1 leaf	Average height of seedling: ~1 cm 1 leaf
15 days	Average height of seedling: ~2 cm 2 leaves	Average height of seedling: ~1.8 cm 2 leaves
20 days	Average height of seedling: ~3 cm 3 leaves	Average height of seedling: ~2.6 cm 3 leaves



**Plant Species: 小白菜, [Colza, Summer rape]**

Growth	Treated Seeds	Control
5 days	Seedling growth observed	Seedling growth not visible until 6th day
10 days	Average height of seedling: ~0.8 cm 1 leaf	Average height of seedling: ~0.8 cm 1 leaf
15 days	Average height of seedling: ~2.3 cm 2 leaves	Average height of seedling: ~2.0 cm 2 leaves
20 days	Average height of seedling: ~3.5 cm 3 leaves	Average height of seedling: ~3.0 cm 3 leaves



**Plant Species: 香菜, [Coriander]**

Growth	Treated Seeds	Control
5 days	Seedling growth observed	Seedling growth not visible until 6th day
10 days	Average height of seedling: ~0.3 cm 1 leaf	Average height of seedling: ~0.3 cm 1 leaf
15 days	Average height of seedling: ~0.7 cm 2 leaves	Average height of seedling: ~0.5 cm 2 leaves
20 days	Average height of seedling: ~1.3 cm 3 leaves	Average height of seedling: ~1.0 cm 3 leaves



**Remarks**

1. The treated seedlings grew out one day ahead of the control, but that may have been as a result of the initial soaking.
2. In test, such as the one conducted, the effects of the treatment, if any, become obvious on the final week of testing. The early differences observed in this test are very rare.
3. The treatment is preferred for its accelerated growth.