

Seed Treatments
Hermiston Trial 2005, Hermiston, OR

| Treatment | Emergence (plants/10 feet in a single row) | Plant height ^a at bloom | Root rot ratings at bloom (Below attachment) ^b | Root rot ^c ratings at bloom (Above attachment) | Tenderometer | Fresh ^d Yield (kg) |
|--|--|---------------------------------------|---|---|--------------|-------------------------------------|
| Nontreated control | 66.9 e ^c | 38.7 cd | 2.2 de | 1.72 de | 86.4 a | 1.66 a |
| Captan 400 (2.5 fl oz/cwt) and Allegiance FL (0.75 fl oz/cwt) | 110.9 ab | 41.9 a | 2.0 ef | 1.74 cde | 81.7 a | 1.69 a |
| HeadsUp 1 seed ^f (0.26 g/cwt) | 83.3 bcde | 36.9 e | 2.5 abc | 1.98 cb | 85.0 a | 1.70 a |
| HeadsUp 2 seed (0.26 g/cwt) | 64.0 e | 38.2 cde | 2.6 ab | 2.06 ab | 80.7 a | 1.70 a |
| HeadsUp 2 seed + foliar ^g | 68.3 de | 38.0 de | 2.7 a | 1.78 cde | 84.4 a | 1.54 a |
| HeadsUp 2 foliar only ^h | 105.4 abc | 40.9 ab | 1.9 f | 1.32 f | 86.3 a | 1.71 a |
| Phostrol seed dry (1:50) | 75.3 de | 38.2 cde | 2.4 cd | 2.02 b | 83.1 a | 1.66 a |
| Phostrol seed dry + foliar | 74.6 de | 37.2 de | 2.4 cd | 1.87 bcd | 84.4 a | 1.63 a |
| Foliar Phostrol at emergence | 95.8 abcd | 40.6 ab | 2.0 ef | 1.74 cde | 85.2 a | 1.70 a |
| Foliar Phostrol + Foliar HeadsUp | 112.1 a | 42.1 a | 2.0 ef | 1.65 de | 83.4 a | 1.80 a |
| HeadsUp 2 seed + Phostrol seed | 75.9 de | 39.8 bc | 2.4 bc | 2.28 a | 81.9 a | 1.60 a |
| <i>LSD</i> ⁱ (<i>P</i> = 0.05) | 28.09 | 1.62 | 0.21 | 0.23 | 22.4 | 0.437 |

^a Assessed 30 plants/plot for plant height and root ratings.

^b Below attachment = below the pea attachment site.

^c Based on a 0 to 5 scale. 0 = healthy and 5 = dead.

^d Yield from 10 feet of four rows.

^e Numbers followed by the same letter are not statistically different at *P* = 0.05.

^f seed = seed treatment

^g foliar = foliar application of compound. (HeadsUp foliar at 1/10 seed treatment rate)

^h The seed of treatments receiving only foliar applications were treated with Captan and Allegiance (industry standard).

ⁱ *LSD* = Least significant difference that is statistical.

Plot size was 20 feet long by 7.5 feet wide.

Four replications of each treatment.

Variety used was Genie