

ABSTRACTS

ADAPTATION OF A BIO-ASSAY TECHNIQUE TO TEST THE COVERAGE OF GROUNDNUT SEEDS WITH BUSAN 30

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The bio-assay test for testing the efficiency of Captan-treatment of ground nut seeds was adjusted to test them treated with Busan 30. Busan was applied by spraying at low volume. Potato agar (1%) enriched with sucrose was inoculated while liquid at 45 – 50° C with a suspension of *Aspergillus niger* spores. 60 cc of the inoculated agar was poured into 9 cm petri dish and before the agar solidified, 10 seeds were placed on the surface and inserted slightly at equal distances. 10 dishes per seed sample were incubated at 30° C, for 20 – 24 hours. If a clear halo, in which the distance between the seed and the line of fungal growth of both sides was

at least half of the seed's width, was formed around the seed, the latter was considered as evenly treated. Various experiments showed that the above method is sensitive enough to reveal unsatisfactory Busan 30 treatment of ground nut seeds with respects to fungicide quality and the seed's surface coverage.

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