

## STUDY ON THE EFFECT OF STORAGE CONTAINER, POLYMER FILM COATING, FUNGICIDE AND INSECTICIDES ON STORABILITY OF GREEN GRAM *VIGNA RADIATA* (L.) WILCZEK

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Received-03.10.2020, Revised-24.10.2020

**Abstract:** The effect of different storage containers, polymer film coatings, fungicide and insecticides on storability of green gram was studied with green gram Var. GAM 5. The seeds were treated with various treatments *i.e.*, Control (T<sub>1</sub>), Imidacloprid 48% FS @2.5 ml/kg seed (T<sub>2</sub>), Thiram 75% WS @3 g/kg seed (T<sub>3</sub>), Polymer seed coating @5 ml/kg seed (T<sub>4</sub>), Imidacloprid 48% FS @ 2.5 ml/kg seed + Polymer seed coating @5ml/kg seed (T<sub>5</sub>), Thiram 75% WS @3g/kg seed+ Polymer seed coating @5ml/kg seed (T<sub>6</sub>), Imidacloprid 48% FS@2.5 ml/kg seed+ Thiram 75% WS @ 3g/kg seed+ Polymer seed coating @5 ml/kg seeds (T<sub>7</sub>). These treated seeds were stored in three different storage containers *i.e.*, Non woven Bag (C<sub>1</sub>) Polythene bag (700 gauge) (C<sub>2</sub>) and Double lined Polybags(C<sub>3</sub>) for period of 3 months (D<sub>1</sub>), 6 months (D<sub>2</sub>) and 9 months (D<sub>3</sub>). The results revealed that the seeds stored in Polythene bag (700 gauge) (C<sub>2</sub>) and treated with Imidacloprid 48% FS @2.5 ml/ kg seed+ Thiram 75% WS @ 3 g/kg seed+ Polymer seed coating @ 5 ml/kg seeds (T<sub>7</sub>) show promising results even after 9 months of storage (D<sub>2</sub>).

**Keywords:** Film coating, Fungicides, Green gram, Insecticides, Storage containers, Treatments

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