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| 01. | Experiment number and title | : | 19.2.3.61 EFFECT OF NANO DAP ON YIELD AND YIELD ATTRIBUTES OF MUNGBEAN |
| 02. | Location and Agro-climatic sub region | : | Pulses and Castor Research Station, NAU, Navsari (South Gujarat Heavy Rainfall Zone, AES-III) |
| 03. | Crop and variety | : | Mungbean <i>var.</i> GM 6 |
| 04. | Experimental details | : | |
| | (a) Treatments | : | 10 T ₁ - Control (Absolute control) T ₂ - RDF T ₃ - 75 % RDF + spray of nano DAP @ 2 ml/litre at flowering T ₄ - 75 % RDF + spray of nano DAP @ 2 ml/litre at pod development T ₅ - 75 % RDF + spray of DAP @ 2 % at flowering T ₆ - 75 % RDF + spray of DAP @ 2 % at pod development T ₇ - 50 % RDF + spray of nano DAP @ 2 ml/litre at flowering T ₈ - 50 % RDF + spray of nano DAP @ 2 ml/litre at pod development T ₉ - 50 % RDF + spray of DAP @ 2 % at flowering T ₁₀ - 50 % RDF + spray of DAP @ 2 % at pod development |
| | (b) Design | : | RBD |
| | (c) Replication | : | 3 |
| | (d) Plot size | : | Gross- 4.00 m x 3.60 m Net- 3.60 m x 2.70 m |
| 05. | Cultural details | : | |
| | (a) Previous crop and fertilizer | : | Pigeon pea 25:50:00:20 NPKS kg/ha |
| | (b) Sowing date | : | 21/02/2024 |
| | (c) Seed rate | : | 20 kg/ha |
| | (d) Spacing | : | 45 cm x 10 cm |
| | (e) Manures and fertilizers | : | FYM @ 5t/ha and 20:40:00 (NPK kg/ha) |
| | (f) No. of irrigations with date | : | 5 (21/02/2024, 02/03/2024, 19/03/2024, 01/04/2024, 22/04/2024) |
| | (g) Cultural operations with date | : | 2 Hand weeding (12/03/2024, 21/03/2024) |
| | (h) Plant protection measures | : | 1 spray |
| | (i) Harvesting date | : | 09/05/2024 |