

Department of Agronomy

College of Agriculture, NAU, Campus Bharuch

Research Paper (2021–2025)

1. P. T. Patel, A. D. Raj and V. R. Jinjala (2021). **Effect of Row Spacing and Foliar Sprays on Summer Green Gram (*Vigna radiata* L.) Varieties under South Gujarat Condition.** *Research Journal of Agriculture Sciences*, 12(5): 1752–1755.
2. P. T. Patel, A. D. Raj and V. R. Jinjala (2022). **Effect of Row Spacing, Variety and Foliar Spray on Quality, Nutrient Content and Uptake of Summer Green Gram (*Vigna radiata* L.) under South Gujarat Condition.** *Journal of Soils and Crops*, 32(1): 37–44.
3. K. V. Ram, A. D. Raj and P. M. Sankhla (2022). **Effect of Nitrogen, Phosphorus and Potassium on Growth, Yield and Economics of Hybrid Maize (*Zea mays* L.) under South Gujarat Condition.** *Journal of Soils and Crops*, 32(1): 80–86.
4. K. V. Ram, A. D. Raj and K. H. Patel (2022). **Effect of Nitrogen, Phosphorus and Potassium on Yield, Quality, Nutrient Content and Uptake on Hybrid Maize (*Zea mays* L.).** *Agriculture Science Digest*, 43(3): 295–300.
5. D. R. Chaudhary, Vaishali H. Surve, S. M. Bambhaneeya, A. D. Raj and S. P. Deshmukh (2022). **Effect of Organics on Yield, Quality, Nutrient Content and Uptake of Soybean (*Glycine max* L.) under Rainfed Condition.** *The Pharma Innovation Journal*, 11(12): 5118–5121.
6. R. V. Dabhi, Vaishali H. Surve, A. D. Raj and P. M. Sankhla (2022). **Influence of Seed Size and Bio-fertilizer on Growth, Yield and Yield Parameter of Groundnut (*Arachis hypogaea* L.) Crop under Rainfed Condition.** *International Journal of Plant & Soil Science*, 34(24): 76–80.
7. D. R. Chaudhary, Vaishali H. Surve, S. P. Deshmukh, A. D. Raj and P. M. Sankhla (2022). **Influence of Different Organics on Growth, Yield and Economics of Soybean (*Glycine max* L.) under Rainfed Condition.** *International Journal of Plant & Soil Science*, 34(23): 213–220.
8. A. R. Ram, A. D. Raj, V. Surve, P. M. Sankhla and V. T. Parmar (2022). **Study of Variety and Row Spacing on Growth, Yield and Economics of Summer Cowpea under South Gujarat Condition.** *International Journal of Agriculture Sciences*, 14(12): 12139–12141.
9. T. B. Patel, A. D. Raj, V. Surve, P. M. Sankhla and V. T. Parmar (2022). **Effect of Sources and Levels of Sulphur on Quality, Nutrient Content and Uptake of Summer Cowpea (*Vigna unguiculata* L. Walp.) under South Gujarat Condition in India.** *International Journal of Plant & Soil Science*, 34(23): 1404–1410.
10. T. B. Patel, A. D. Raj, V. Surve, P. M. Sankhla and V. T. Parmar (2023). **Effect of Sources and Levels of Sulphur on Growth, Yield and Economics of Summer Cowpea (*Vigna unguiculata* L. Walp.) under South Gujarat Condition in India.** *Journal of Soils and Crops*, 33(1): 68–72.
11. H. S. Patel, V. Surve, S. M. Bambhaneeya and A. D. Raj (2023). **Effect of Time of Sowing and Row Spacing on Growth, Yield and Economics of Soybean (*Glycine max* L.).** *Journal of Soils and Crops*, 33(1): 111–114.
12. N. M. Chaudhari, K. H. Patel, A. D. Raj, S. M. Bambhaneeya and N. H. Garaniya (2023). **Effect of Nitrogen, Organic Manures and Biofertilizers on Yield and Nutrient Content of Summer Green Gram (*Vigna radiata* L.).** *Journal of Soils and Crops*, 33(1): 40–45.
13. A. R. Ram, A. D. Raj, V. Surve and P. M. Sankhla (2023). **Effect of Variety and Row Spacing on Quality, Nutrient Content and Uptake of Summer Cowpea (*Vigna unguiculata* L. Walp.) under South Gujarat Condition.** *Journal of Soils and Crops*, 33(1): 58–62.
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15. Dr. Hardik A. Patel, Dr. A. D. Raj, Dr. Chirag V. Khambhu and Dr. Sonal J. Vaja (2023). **Effect on Growth and Yield Characteristics of Summer Sesame (*Sesamum indicum* L.) as Influenced by Different Levels of Nitrogen, Phosphorus and Biofertilizers.** *The Pharma Innovation Journal*, 12(6): 5130–5134.
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20. S. S. Patel, V. H. Surve, A. D. Raj, V. R. Jinjala and P. M. Sankhla (2026). **Growth, Yield and Economics of Sorghum as Influenced by Fertilizers, Organic Manures and Bio-fertilizers.** *Journal of Soils and Crops*, 36(1): 14–18.
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22. A. D. Kolgha, A. D. Raj, V. Surve, V. R. Jinjala, P. M. Sankhla and N. Y. Karmati (2026). **Performance of Maize Based Intercropping System.** *Journal of Soils and Crops*, 36(1): 1–6.
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