

From Uncertain Monsoon to Profitable Harvest: A Groundnut Farmer's -AMFU, Dantiwada

Weather-Related Challenges during *Kharif* 2024

During the *Kharif* 2024 season, Chauhan Jesalsinh Velsinh faced multiple weather-related challenges. These erratic weather conditions posed serious risks to groundnut establishment, growth, and post-harvest quality.

Agromet Advisory Issued and Interventions Suggested

Weather-based agromet advisories were issued *Kharif* and these advisories rainfall distribution, dry spell alerts, humidity conditions, and harvest-time rainfall warnings.

Key recommendations included:

- Timely sowing immediately after receipt of first effective monsoon rainfall. Avoidance of premature sowing to reduce risk of re-sowing
- Scheduling irrigation based on weekly rainfall forecasts. Protective irrigation during August dry spell
- Temporary reduction in fertilizer dose during stress periods

Farmer Response and Field-Level Action

Farmer Name: Mr. Chauhan Jesalsinh Velsinh, **Village:** Chauhangadh, **District:** Banaskantha, **Crop(s):** Groundnut, **Crop type:** Oilseed.

Outcome and Reported Benefits

Reported yield benefit: 2,200 kg/ha of groundnut. Reported economic benefit: ₹20,000/- to ₹25,000/-



Fig: Forecast-based irrigation management adopted by farmer Chauhan