



2025-43

No. _____/DGA (Ext)/PA Dated: 23.08.2010

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District officer Agriculture Extension
In cotton districts.

Subject: COTTON CROP MANAGEMENT.

Cotton crop in Punjab has entered in to its most crucial phase where picking of each extra boll will matter. Therefore, following measures may also be added in earlier request of this office vide letter No. 1360-71/DGA (Ext)/PA, Dated 19.08.2010.

- Fields should be free from weeds and if plant heights allow, go for inter-culture preferably twice with one day interval and ensure manual weeding where inter-culture is not possible. Moreover, promote already given recommendation for the use of post-emergence herbicide, Glyphosate @ 1800 ml per acre or 18 ml/litre of water or Mera 71 @ 8g/litre of water. Spray should be protective. Use shield but if shield is not available, lower down the height of the spray nozzle to cover the weeds only. Always use tube-well or hand pump clean water and never use canal or irrigation channel water for post emergence herbicide spray to avoid soil particles.
- No compromise on fertilizer if required. Add one bag of Urea per acre if stunted growth or half bag if normal with irrigation and stop further addition after desired results. Moreover also apply foliar spray after experts visit as plant growth supplement (Urea @ 2 kg + Magnesium Sulphate @ 300 g + Boric acid 250 g + Zinc Sulphate 200 g in 100 litre water for one acre crop spray. (CCRI Multan). Supplement foliar nutrient spray should be done early in the morning or late in the evening on top growing leaves and avoid spray at noon.
- Cotton crop due to heavy rains is trapped with boll rotting disease also in some areas. Therefore apply Fungicide, Benlate or Intracol or Topsin M @ 200 g or any other recommended fungicide for the purpose in 100 litre of water and ensure that spray should cover the plant thoroughly especially lower portion. Moreover, this spray should be repeated 10-14 days interval depending upon the severity of the disease.
- Insect management through recommended pesticides especially against army worm, jassid, whitefly, spotted and heliothus without delay.
- Clean, dry cotton free from amenities and its transfer as prescribed shall be the prime focus for which literature will be provided soon.

Extra energy and effort to pick extra clean and dry cotton is required to fill the national kitty direly needed at this point of time

(Dr. Muhammad Arjun Ali)
DIRECTOR GENERAL

Copy forwarded with the request for allocation of maximum staff for awareness on cotton at this very important juncture.

- Director General Agriculture (Research) AARI, Punjab
- Director General Agriculture (PW&QCP) Punjab
- Chairman Pakistan Cotton Forum Lahore
- Director CCRI, Multan
- Executive District officers Agriculture in cotton districts.

CC. Secretary Agriculture, Government of the Punjab.

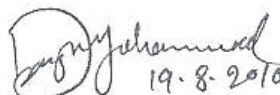
Handwritten notes: "23/8/2010" and "M. Arjun Ali" written vertically.

Recommendations for Better Crop Production

1. Field should be free from weeds
 - A. If plant heights allow, apply inter-culturing preferably twice with one day interval
 - B. Apply manual weeding where inter-culturing is not possible.
 - C. For use of post-emergence herbicide, Glyphosate @ 1800 ml ac⁻¹ or 18 ml litre⁻¹ of water or Mera 71 @ 8 g liter⁻¹ of water, Spray should be protective. Use shield but if shield is not available, lower down the height of the spray nozzle to cover the weeds only.
 - D. Always use tube-well or hand pump clean water and never use canal or irrigation channel water for post emergence herbicide spray.
2. Apply one bag of Urea ac⁻¹ for plant growth
3. Complete requirement of nitrogen during the month of August.
4. Foliar spray for better plant growth as supplement
Urea @ 2 kg + Magnesium Sulphate @ 300 g + Boric acid @ 250 g + Zinc Sulphate 200 g in 100 litre water for one acre crop spray.
5. Supplement foliar nutrient spray should be done early in the morning or late in the evening on top growing leaves and avoid spray at noon.

Alternaria Leaf Spot of Cotton

1. Apply Fungicide, Benlate or Intracol or Topsin M @ 200g in 100 litre of water.
2. The spray should cover the plant thoroughly especially lower portion.
3. The spray should be repeated 10-14 days interval depending upon the severity of the disease.


19.8.2016

DIRECTOR
CENTRAL COTTON RESEARCH INSTITUTE
MULTAN