



Research Paper

Economic analysis of cumin seed in Junagadh district

■ N. V. Thummar, N.M. Thaker and Jagruti D. Bhatt

See end of the paper for authors' affiliations

Correspondence to :

N. M. Thaker

P.G. Institute of Agri-Business Management, Junagadh Agricultural University, **Junagadh (Gujarat) India**

Email : niravthummar14@gmail.com

ABSTRACT : The study on economic analysis of cumin seeds in Junagadh district was undertaken to measure the objectives of examining the socio-economic characteristics of cumin growers, cost and return of cumin production, growth performance and acreage response of cumin crop, satisfaction level of farmers and dealers and constraint face by farmers and dealers regarding GASCO seeds. The study was carried out in four taluka of Junagadh district. Multistage sampling technique was used. Total 20 dealers of GASCO and 100 farmers using cumin seed of GASCO were selected for the study. Net farm income model was used for cost and return of cumin production. The semi-log equation and Nerlovian lagged model was used to estimate growth performance and acreage response of cumin crop. The result revealed that total cost of cultivation for cumin per hectare was 11.19 per cent. Per hectare cost of cultivation of cumin was worked out to Rs.37554.42. The result of compound growth rate revealed that area, production and yield of cumin was increasing continuously from 1997-98 to 2017-18. In case of acreage response of cotton crop, the lagged area and lagged yield risk played significant role in area of cumin. The rainfall was negatively significant. Thus, means due to high rainfall decreased cumin area by sowing other *Rabi* crops.

KEY WORDS : Socio-economic characteristics, Cost of cultivation, Growth performance, Acreage response

Paper History :

Received : 27.08.2018;

Revised : 21.01.2019;

Accepted : 01.02.2019

HOW TO CITE THIS PAPER : Thummar, N.V., Thaker, N. M. and Bhatt, Jagruti D. (2019). Economic analysis of cumin seed in Junagadh district. *Internat. Res. J. Agric. Eco. & Stat.*, **10** (1) : 31-33, DOI : 10.15740/HAS/IRJAES/10.1/31-33. Copyright@ 2019: Hind Agri-Horticultural Society.