

Economic study of plant growth regulators and organic manure treated Strawberry (*Fragaria x ananassa* Duch.) cv. Chandler in Allahabad region

Sevan Das Khunte¹, S. Saravanan¹, Shambhu Singh², and Sandeep Lakra¹

Received July 27, 2015 and Accepted September 28, 2015

ABSTRACT: A field experiment was conducted during the winter season at the Crop Research Farm, Department of Horticulture, Allahabad school of Agriculture, SHIATS, Allahabad (U.P.) entitled “Economic study of plant growth regulators and organic manure treated Strawberry (*Fragaria x ananassa* Duch.) cv. Chandler in Allahabad region.” Plant Growth Regulators (PGRs) namely NAA (100, 150 and 200 ppm), GA₃ (100, 150 and 200 ppm), Triacantanol (100, 150 and 200 ppm) and CCC (400, 800 and 1200 ppm) were applied as foliar spray and organic manure (2.50, 5.50 and 8.50 tones ha⁻¹) was mixed in soil during field preparation. The results revealed that the maximum length diameter ratio of fruit (1.58) and specific gravity (1.34) were observed with treatment T₃. The treatment T₁₂ recorded maximum cost of cultivation (498186.22 Rs/ha) followed by (492246.22 Rs/ha) with treatment T₁₃ while minimum cost of cultivation was recorded with treatment T₁ (435596.23 Rs/ha). However the maximum benefit cost ratio (1:3.62) was reported with the treatment T₇.

Key Words: Cycocel (CCC), GA₃, NAA, organic manure (PM) and triacantanol.