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To

State Marketing Manager
IFFCO, Punjab Chandigarh

Subject: Results of Sagarika (seaweed liquid and granules) on rice yield

Sir

I am hereby submitting the results of rice yield after the application of Sagarika (seaweed liquid and granules). The details are as follows.

Effect of Sagarika seaweed extract on rice yield

Effect of Sagarika seaweed extract (Granule and Liquid) on rice yield (q acre^{-1}) is presented in Table 1. The rice grain yield varied between 29.50 to 33.87 q acre^{-1} . The straw yield varied from 42.67 to 55.0 q acre^{-1} . Sagarika liquid enhanced the rice grain yield by 14.81 and 10.17 % compared to control @ the rate of 0.25 and 0.5 % level, respectively. The highest grain yield was found with the application of 100 % RDF + 2.5 ml/l Sagarika liquid (33.87 q acre^{-1}) that was at par with 100 % RDF+5ml/l of Sagarika liquid (32.50 q acre^{-1}). Similarly, yield enhancement was seen with the application of 75 % RDF along with Sagarika liquid at both level i.e. 0.25 (7.79 %) and 0.5 % (4.64 %) compared to control, but it was less as compared to 100 % RDF along with Sagarika liquid application. However, Sagarika granule has not much effect on the yield of rice. This was significantly at par with 100% RDF (control). The lowest yield was found with the application of 100 % RDF + Water only (Control) (29.50 q acre^{-1}).

The straw yield was highest with the application of 100 % RDF+5ml/l Sagarika liquid (55.00 q/acre , 29.05 % more compared to control). This is at par with 100 % RDF + 2.5 ml/l Sagarika liquid (53.20 q/acre , 24.29 % more compared to control), 100% RDF+10kg/acre Sagarika granules (52.90 q/acre), 75%RDF+2.5ml/l Sagarika liquid (51.07 q/acre) and 75%RDF+5ml/l Sagarika liquid (47.46 q/acre). The lowest straw yield was found with the application of 75 % RDF+10Kg/acre Sagarika granule (42.67 q/acre) and 100 % RDF + Water (Control) (42.80 q/acre).