

Table 1. Experimental Trials conducted by IFFCO Chair Professor on Effect of Sagarika Liquid & Granules – 2018-19 / 2019-20

SN	IFFCO Chair	Experiment title	Crop	Period	Result
1)	TNAU, Coimbatore, Tamil Nadu	Effect of seaweed extract on growth, productivity and profitability of greengram (Vigna radiata)	Green gram (CO8) (Irrigated condition)	July 2018 – Oct 2018	<ul style="list-style-type: none"> - Application of 100% RDF (100 Kg NPK/ha) + seed soaking (0.1%) SWE + seed treatment with Rhizobium followed by 2 foliar application of seaweed extract (0.25%) at 25 and 35 DAS recorded 26 % yield advantage (2.6 qtl) over treatment yield recorded in control receiving 100 % RDF (100 Kg NPK /ha) + seed treatment with rhizobium (9.89 qtl/ha)
2)	UAS, Dharwad, Karnataka	Efficacy of sagarika (liquid) for enhancing the productivity of greengram	Green Gram	2018-19	<ul style="list-style-type: none"> - Application of RDF (75 Kg NP/ha) + Sagarika @ 0.1 % seed soaking + seed treatment (Rhizobium+ PSB) + Foliar spray of Sagarika @ 0.25 % at pre flowering stage resulted into 16.2 % more yield (1.45 qtl) over control yield (8.93 qtl/ha) receiving 100 % RDF (75 Kg NP /ha) + seed treatment (rhizobium and PSB)
3)	BCKVV, Nadia, West Bengal	Effect of Sagarika on Performance of Green gram Crop (SAMRAT (PDM-9)	Green Gram Samrat (PDM 139)	March – June 2019	<ul style="list-style-type: none"> - 1) Sagarika liquid applied as seed soaking (0.1 %) & 2 foliar sprays (@ 0.25 %) at 21 & 42 DAS along with RDF (@ 120 Kg NPK/ha) resulted into 35 % increase in yield (2.58 qtl /ha) over RDF (7.3 qtl /ha) - 2) Basal Application of Sagarika granule @ 25 Kg /ha alongwith RDF (@ 120 Kg NPK/ha) resulted into 33.2 % increase in yield (2.43 qtl/ha) over RDF (7.3 qtl/ha). - 3) 25 % Reduction in RDF (@ 90 Kg/ha) alongwith application of Sagarika granule @ 25 Kg /ha resulted into 31.5 % increase in yield (2.3 qtl/ha)

					over RDF (7.3 qtl/ha)
4)	CSAUAT, Kanpur, Uttar Pradesh	Nutrient optimization through organic and inorganic resources in rice- wheat cropping system.	Rice(NDR-359) – Wheat (PBW -343) Cropping System	2017-18	- Highest average yield of grain (48.33 q ha ⁻¹) and straw (60.40 q ha ⁻¹) in rice and grain (3.93 q ha ⁻¹) and straw yield (53.59) in wheat was recorded with the application of 75% NPK alongwith basal application of 25 kg/ha Sagarika granules + 2 sprays of 0.25% of Sagarika & 2% of WSF (18:18:18)
5)	SVBPUAT, Meerut, Uttar Pradesh	1) Nutrient management in Wheat for improving fertilizer use efficiency, soil biodiversity and productivity in Indo Gangetic plains of U.P. 2) Effect of Nutrient Management Practices on growth and yield of summer moong bean (Vigna radiate L.)	Wheat Moong Bean	2017-18 & 2018-19 Spring 2018	- 31.8 % higher yield in 2017-18 & 27.9 % higher yield in 2018-19 over RDF was recorded by treatment receiving RDF + FYM @ 5 MT/ha + NPK – BF + Foliar spray of NPK (18-18-18) +Sagarika Liquid (0.25 %) at 55 -70 DAS - Grain Yield of 22.5 % (9.8 qtl /ha) was recorded by treatment receiving foliar spray of NPK (18-18-18) +Sagarika Liquid (0.25 %)
6)	CCSHAU, Haryana	Nutrient optimization through organic & inorganic resources in wheat	Wheat (WH-1105)	Rabi 2018-19	- 8.7 % higher yield (5 qtl/ha) was recorded with 75% NPK + seed treatment with NPK Consortia @5ml /kg of seed + FYM 10t/ha; It was at par with : - 7 % higher yield (4 qtl/ha) recorded with 75% NPK + two spray of 0.25% of Sagarika + 25kg/ha Sagarika Granules + two spray of 2% of WSF (18:18:18)