New Agriculturist, **28**(1) : 191–196, 2017 http://biovedjournal.org/

Impact of foliar nutrition on productivity of soybean (*Glycine max* L.)

N.N. Chaudhary[1] and G.J. Patel[2]

Received October 5, 2016 and Accepted January 6, 2017

ABSTRACT : The foliar nutrition of various fertilizers with RDF (Recommended Dose of Fertilizer) to alleviate productivity of soybean examined in this study. Typical effect of foliar nutrition on growth parameters and yield of soybean were based on a systematic literature review. The focus is on growth parameters and yield of soyabean in response to combination of fertilizers with RDF. During plot experiment, foliar application of macro and micro nutrient fertilizers make possible to apply at only pod initiation stage of the crop. In reviewed studies, foliar application of RDF+19:19:19 (NPK) led to increase growth parameters like number of branches per plant, number of pods/plant, seed index, seed yield, straw yield and harvest index. Other side, maximum plant height was recorded under T_8 treatment. The maximum benefit: cost ratio given by T_2 treatment, which was at par with T_4 and T_5 treatments. In case of CGR and RGR, maximum value of both at 30-45 DAS and 45-60 DAS were observed under T_7 and T_5 treatments, respectively.

Key Words: Soybean, Foliar spray, RDF, CGR, RGR, DAS.