



RESEARCH ARTICLE :

Effect of foliar nutrition on yield and economics of soybean [*Glycine max* (L.) Merrill] under rain fed condition

■ A. A. SUNEWAD, A. V. GUTTE AND V.G. TAKANKHAR

ARTICLE CHRONICLE :

Received :

14.07.2017;

Accepted :

29.07.2017

KEY WORDS :

Foliar nutrition, Seed yield, Biological yield, Harvest index

SUMMARY : Field experiment was conducted on effect of foliar fertilization on yield and economics of soybean. The results of experiment revealed that the seed yield and biological yield of soybean was significantly influenced by foliar application of nutrients. Significantly higher seed yield (1072 kg. ha.) was recorded due to foliar application of 19:19:19 and 13:00:45 @ 1% at 40 and 60 DAS, respectively. However, it was at par with the treatments *i.e.* application of 19:19:19 and 13:00:45 @ 1.5 and 0.5% at 40 and 60 DAS, respectively. Similar trend was recorded due to foliar application of 19:19:19 and 13:00:45 @ 1% at 40 and 60 DAS, respectively in case of biological yield (2601 kg/ha.) of soybean; Highest harvest index of soybean was recorded by application of 19:19:19 and 13:00:45 @ 1% at 40 and 60 DAS, respectively. In case of economics of the soybean crop, the gross monetary returns and net returns were significantly influenced by various treatments. Foliar application of 19:19:19 and 13:00:45 @ 1% at 40 and 60 DAS, respectively recorded significantly higher gross as well as net monetary returns than the rest of treatments except with the foliar application of 19:19:19 and 13:00:45 @ 1.5 and 0.5% at 40 and 60 DAS, respectively. Further the results revealed that the cost of cultivation and B:C ratio of soybean were highest in case of foliar application of 19:19:19 and 13:00:45 @ 1% 40 and 60 DAS, respectively.

How to cite this article : Sunewad, A. A., Gutte, A.V. and Takankhar, V. G. (2017). Effect of foliar nutrition on yield and economics of soybean [*Glycine max* (L.) Merrill] under rain fed condition . *Agric. Update*, **12** (TECHSEAR-4): 1059-1062; DOI: 10.15740/HAS/AU/12.TECHSEAR (4)2017/1059-1062.

Author for correspondence :

A. A. SUNEWAD

Department of
Agronomy, College of
Agriculture (V.N.M.K.V.),
LATUR (M.S.) INDIA

See end of the article for
authors' affiliations