Effect of herbicides and fungicides on \(N_2\)-fixation and seed yield of soybean (cv. Williams)


Abstract

Effect of herbicides and fungicides on \(N_2\)-fixation and seed yield of soybean (cv. Williams) was investigated. The results showed that herbicides and fungicides had a negative effect on \(N_2\)-fixation and seed yield. The most effective herbicide was glyphosate, while the most effective fungicide was mancozeb. The combination of both herbicides and fungicides further reduced \(N_2\)-fixation and seed yield. The findings suggest that the use of herbicides and fungicides should be minimized to promote \(N_2\)-fixation and seed yield in soybean production.