

REVIEWER'S REPORT

Manuscript No.: IJAR-58205

Title: Analyse de la diversité des ennemis naturels associés à *Spodoptera frugiperda* (J.E Smith), (Lepidoptera : Noctuidae), en campagne sèche et humide ouest du Burkina Faso

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality			x	
Techn. Quality			x	
Clarity		x		
Significance		x		

Reviewer's ID: JPR-171

Detailed Reviewer's Report

This study inventories natural enemies associated with *Spodoptera frugiperda* during dry and wet seasons in western Burkina Faso. The topic is relevant and the data collected (8 parasitoids, predators, entomopathogenic fungi, and nematodes) provide a useful baseline for biological control. However, several major weaknesses require revision. First, the sampling methodology lacks precision: the number of fields surveyed, plot sizes, and the number of larvae collected per site are not clearly stated. Second, the results are presented descriptively without statistical tests to compare parasitism rates between seasons or sites – the absence of ANOVA or proportion comparison tests limits the robustness of the conclusions. Third, parasitism rates are very low ($\leq 2.57\%$ for most species), raising questions about the actual impact of these natural enemies on pest populations; this limitation should be discussed. Fourth, the discussion is overly long and repetitive and would benefit from condensation. Fifth, the English abstract contains grammatical errors and requires revision. The authors must clarify the sampling protocol, apply appropriate statistical analyses, and revise the conclusions to reflect the low parasitism rates observed. A major revision is required before resubmission.