Identification of Fall Armyworm (*Spodoptera frugiperda*)

1. Adults

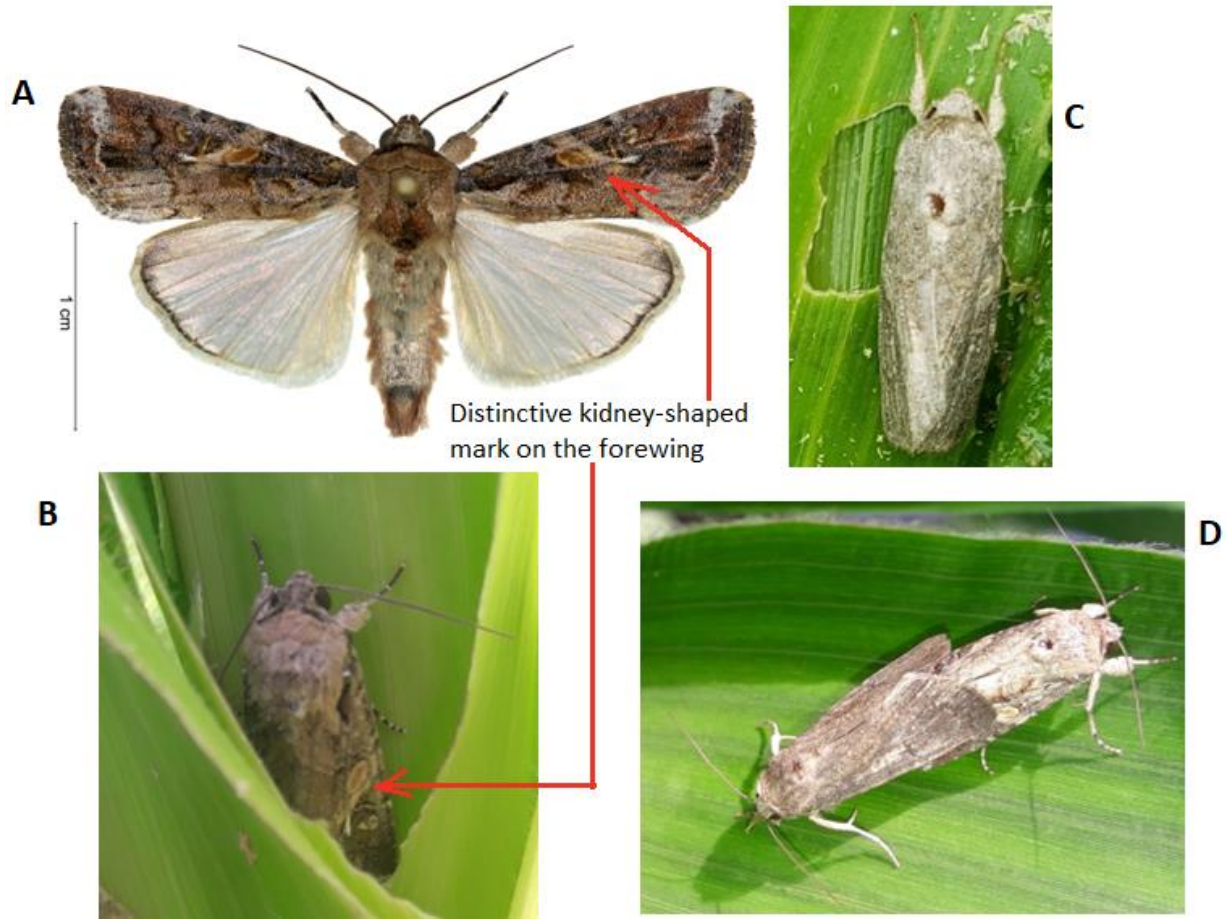

Figure 1.1: Male adult (moth) with wings spread out (**A**) (Photograph by Georg Goergen); male moth hiding inside maize plant funnel during the day (**B**); female moth (**C**); mating male and female moths (**D**) (Other photographs by Peter Chinwada)

Figure 1.2: Female moth besides an egg mass (Photograph by Peter Chinwada)

2. Eggs

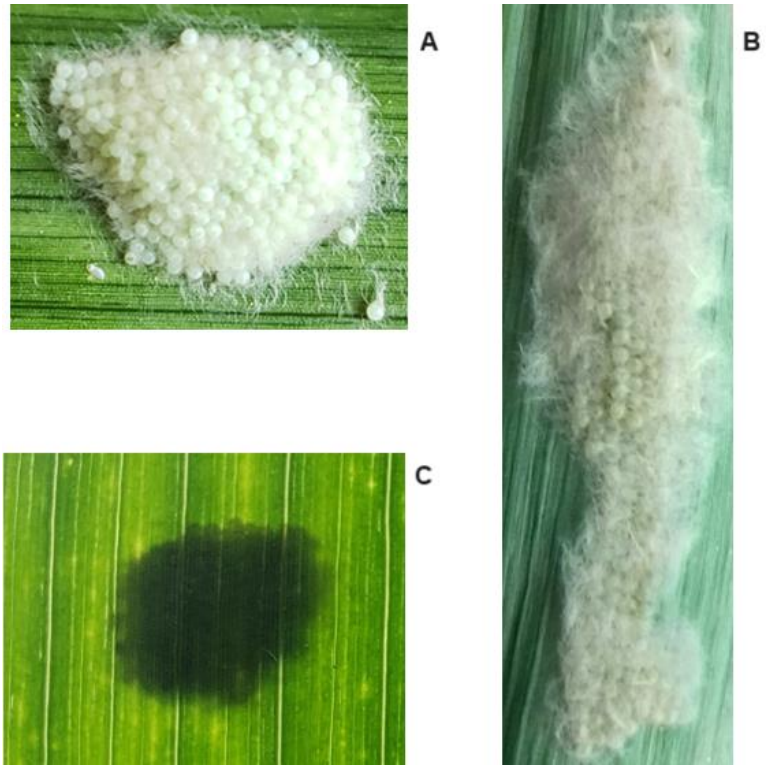

Figure 2: FAW egg masses covered by hairs (**A**, B); outline of egg mass as seen from the opposite side of a maize leaf (**C**) (Photographs by Peter Chinwada)

3. Larvae

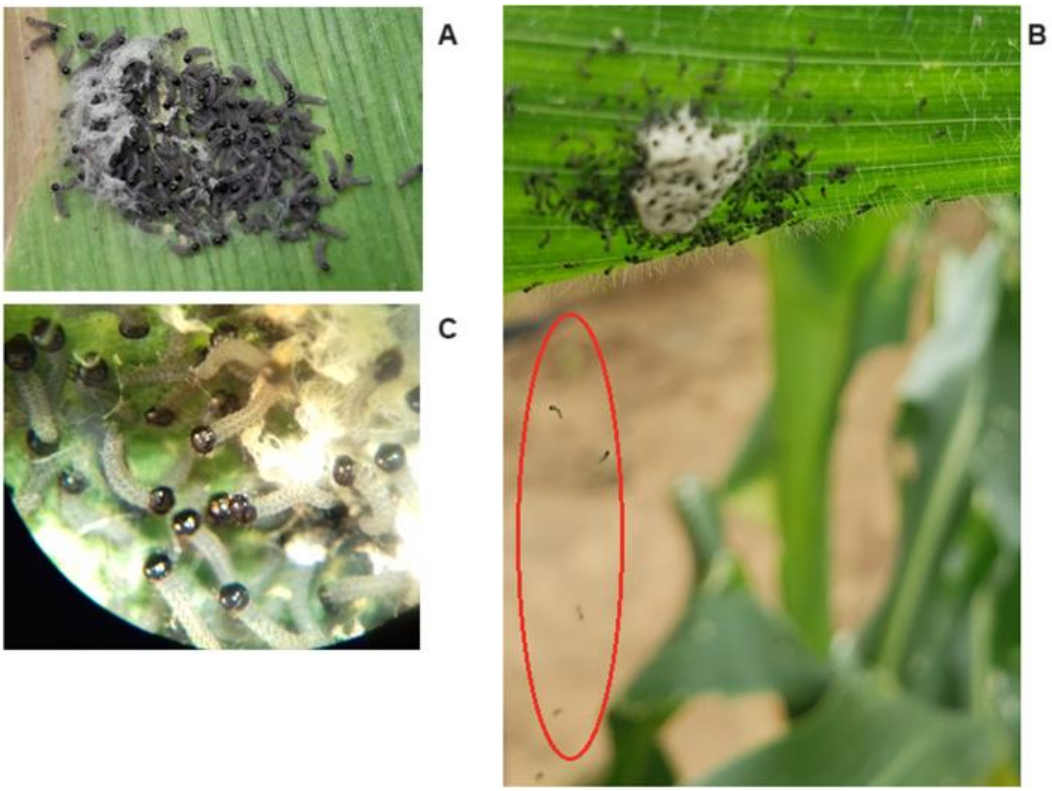

Figure 3.1: Newly hatched larvae initially bunched together at the site of hatching (**A**); Some newly hatched larvae starting to disperse through 'ballooning' (**B**); newly hatched larvae as seen under a dissecting microscope (notice the large black heads) (**C**) (Photographs by Peter Chinwada)

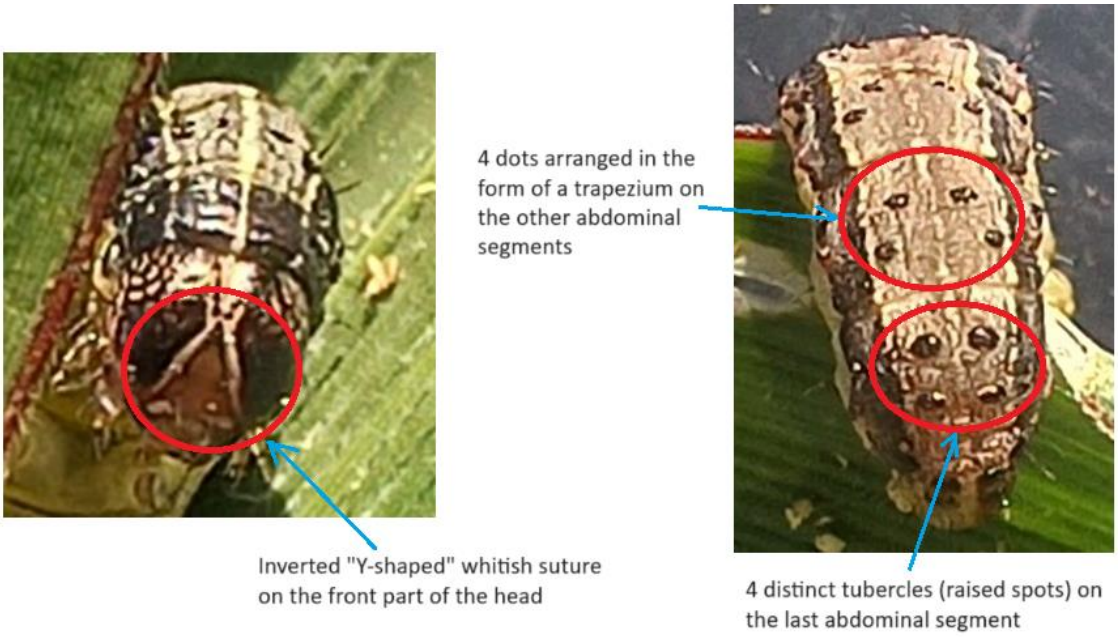

Figure 3.2: Main diagnostic features of mature (4^{th}-6^{th} instar) larvae (Photographs by Peter Chinwada)

Figure 3.3: Some colour variants of fall armyworm larvae (Photographs by Peter Chinwada)

Further Reading

Buntin, G.D. 1986. A review of plant response to fall armyworm, *Spodoptera frugiperda* (J.E. Smith), injury in selected field and forage crops. *Florida Entomologist* **69**, 549-559.

da Silva, D.M., de Freitas Bueno, A., Andrade, K., dos Santos Stecca, C., Neves, P.M.O.J. & de Oliveira, M.C.N. 2017. Biology and nutrition of *Spodoptera frugiperda* (Lepidoptera: Noctuidae) fed on different food sources. *Scientia Agricola* **74**, 18-31. http://dx.doi.org/10.1590/1678-992X-2015-0160.

Sparks, A.N. 1979. A review of the biology of the fall armyworm. *Florida Entomologist* **62**, 82-87.