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## Convert the fuel operating system as free energy operating system for agriculture implementation

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■ **ABSTRACT** : Based on the experimentation, it is found in this project that the Solar panel provides 17V, 1A during day time between 9.30 AM to 4.30 PM. Since the pesticide sprayers are used in this duration, testing is as carried out in this time. The 12V, 8Ah battery can be charged fully in 7 hours during this time at 1.3A. Hence, this module can be operated to spray continuously 7 to 8 hour which is not possible with electrical pesticide sprayer. The model cost will not exceed Rs. 7000. Hence, the proposed model is cost effective and compatible with other models available commercially.

■ **KEY WORDS** : Sprayer, Solar sprayer, Energy alternate devices, Free energy sprayer, Hand sprayer

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