

ABSTRACT

In today's world, we use various spraying technologies involving use of electrical energy, chemical energy of fuels. This fact makes us to know that how large amount of energy is getting used at such places where mechanical energy can be used instead of direct energy sources. This is a reason why we have implemented some mechanical sprayers getting powered by human effort. Although these are serving the purpose, but their range of working is not enough.

The objective is to improve upon the performance of indigenous farm implements or develop a new implement that can either enhance labour productivity or appropriately mechanize the operation where a labour or power shortage hinders completing the task in time.

In our wheel operated pesticide sprayer, which uses reciprocating pump for the continuous flow of liquid to create necessary pressure for the spraying action. This wheel operated pesticide spray equipment consumes less time and avoids the pesticide from coming from front of the nozzles which will in contact of the person who sprays pesticides.