



Consolation Awards

Two in One Cultivator and Blade Harrow

Rajnikant Raghavjibhai Dhedhi

Morbi, Gujarat

Scout: Direct

Rajnikant Dhedhi (40), educated upto 10th standard is, a farmer and owner of a small workshop where he develops some agricultural implements, including cultivators and other customized farm machinery.

For intercultural operations, separate blade harrows or intercultural tools are used. The harrowing operation is done after ploughing. Separate implements are attached to the tractor three-point for performing these operations. Rajnikant noticed that it takes much time for attaching and detaching these implements. To eliminate this problem, he has

provided a blade harrow (for harrowing operation) on top of an existing cultivator.

The innovation is a tractor-mounted three-bottom cultivator cum blade harrow. Both the cultivator tynes and blade harrow can be used alternately using a reversible mechanism. While one is used on the farm, the other is carried upside on the implement. At the end of each operation, the paired blade harrow/cultivator tynes are turned over so that the other can be used. The field capacity for ploughing and harrowing is 1.6 acres per hour and 2 acres per hour, respectively.

