



Southern Rural Life Farm Invention Awards 2012

Category A: Market Prototypes

1st Place:

Clean Green Effluent Co. – Self Priming Siphon

Site 860

P.O.Box 1530

Invercargill 9840

03 2143963

A standard siphon will stop when you empty the liquid from a vessel (bucket or tank). When the vessel refills the siphon must be re-primed to start the liquid transfer.

The self-priming siphon will stop when the vessel is empty and starts automatically when any liquid enters the vessel without having to re-prime.

This has multiple uses when transferring liquid from one vessel to another when you require an automatic transfer of surplus water or liquid into a secondary vessel. (For instance when it rains, a bore pump starts or a windmill starts up).

2nd Place:

Permabrand S.I. Ltd – Dust Suppression Boom

Site 697

(Office) P.O. Box 105

Dunsandel

(Factory) c/ 44 Izone Drive Rolleston

0276401333

Dust suppression water spray boom mounted on the feed head drop tube to eliminate dust while meal feeding in a Rotary Dairy Shed. Also can be used to apply minerals, water for PK to make it more palatable. Dust is a major problem in sheds with workers health at risk with rolled grains.

Category B: Kiwi Ingenuity

1st Place:

Jacob Hammond, Liam Sullivan, Ben

Drummond – Hen Feeder

Limehills School

Hen feeder grain and water dispensers.

2nd Place:

Madi McConachie – Velvet Helper

Limehills School

Designed to stop blood from going out of the bottom of the velvet after it has been cut.

Recommended:

Luke Gilchrist - LAMBAA

Limehills School

One stop shop for orphan lambs. It has two lamb meal feeders along the sides and two bucket feeders on each end. It is made out of reasonably heavy materials so lambs can't knock it over, but it has a tow rope at the front to make easy moving of the LAMBAA.