

CASE STUDY PRODUCT:
DAVEY FIREFIGHTER

DAVEY DEALER:
Dusty Rural Contracting
www.dustyruralcontracting.com.au

Smart Livestock Protection: OEM Solution Powered by Davey

In the demanding world of livestock management, efficient and reliable pest control solutions are essential for maintaining healthy sheep populations. This OEM solution from Dusty Rural Contracting represents a breakthrough in automated livestock treatment systems.

As a farmer, it is crucial to ensure that correct measures are taken to prevent flystrike and sheep lice, due to the costs associated with treatment after the fact. While it is a time-consuming process, the animals' welfare is of key concern to the farmer.



The Challenge

Modern sheep farmers face several critical challenges in maintaining effective pest control measures:

- Need for precise and efficient chemical application
- Requirement for automated, labor-saving solutions
- Importance of reducing chemical wastage
- Demand for robust, reliable equipment
- Need for easy maintenance and operation
- Requirement for flexible application options

Our Solution

Sheep jetting is the process of preventative treatment application of chemical utilising high pressure to increase efficiency. It speeds up a day's work, cutting time and manual work for the farmer. This sheep jetting system utilises high pressure sprayers fed by a Davey Firefighter pump to spray sheep with chemical to prevent flystrike & sheep lice, designed to effectively treat between 1200+ sheep per hour.

- Advanced 20-jet system with Davey Firefighter twin impeller Honda pump (9hp standard/13hp optional)
- Electronic eye sensor for automated operation
- Adjustable side panels with spring-loaded design
- Automated pressure-monitoring gate system
- Galvanised construction for durability
- Sub-100kg design for easy handling

Implementation and Results

The installed system delivers practical benefits for farming operations:

- Flexible chemical application with adjustable 5-20 jet operation
- Reduced labour through automated sensor activation
- Minimised chemical waste through targeted application
- Simple two-person setup and maintenance
- Effective control of both fly and lice infestations

The OEM solution, powered by Davey's Firefighter twin impeller pump technology, demonstrates how innovative engineering can create practical solutions for farmers. The combination of smart sensors, precise application control, and reliable pump performance offers farmers an efficient and effective tool for livestock protection. As farming practices continue to evolve, solutions like this showcase the potential for technology to improve both operational efficiency and animal welfare outcomes while reducing chemical waste and labour requirements.

