

Amélioration des conditions de travail par utilisation de moyenne pression (40 bars) lors du lavage en élevage

Isabelle CORRÉGÉ (1), Maï LANNESHOA (1), Anne HÉMONIC (1), Stéphane GUÉRINEAU (2), Clément PROUX (3)

(1) IFIP-Institut du porc, Domaine de la Motte au Vicomte, BP 35104, 35651 Le Rheu Cedex

(2) ENDEA, 45 La Daunière, 85600 Saint Georges de Montaigu

(3) MSA des portes de Bretagne, La Porte de Ker Lann, Rue Charles Coudé, Bruz, 35027 Rennes Cedex 9

isabelle.correge@ifip.asso.fr

Improving working conditions by using medium pressure (40 bars) washers for cleaning pig farms

Cleaning with a medium-pressure nozzle (Fitjet® nozzle, 40 bars) was compared to conventional cleaning at high pressure with a rotary nozzle (160 bars), using criteria such as working time, water consumption, cost, difficulty of work and cleaning efficiency. The results obtained for the two types of nozzles suggest that the cost is almost the same and that the cleaning score, measured with contact plates, was good. Concerning the difficulty of work, results favoured the medium pressure nozzle; the noise level was significantly lower; the visibility during washing was significantly improved; musculoskeletal disorders were lessened; debris splashback into the operator's face was significantly reduced and cleaning was considered less painful and less tiring for the operator.