

pasture till lambing. Forty deformities were produced. The later-lambing ewes of this lot, which would have been tupped on English grass, had no deformed lambs. Deformities were not so marked as in the previous year. The 300 ewes which had previously produced deformed lambs were again bred to the same Romney rams, with a few new rams added, and kept for two months on English pasture. They were then sent to good tussock hill-country containing trefoil, clovers, &c., till lambing. The lambing percentage was large. This farmer always has ewes well conditioned at tugging-time. He also believes pulpy kidney to be more pronounced in the flocks affected with deformed lambs.

*J. N. (Oturehua).*—First trouble in 1926; thirty deformities from 300 ewes, Romneys, merino cross, and Corriedale cross put to Romney rams. In 1927 the same ewes had forty deformed lambs. In both years the ewes were wintered on turnips, with run-off on to old English grass and tussock pasture, till August. They were then placed on rank fescue until lambing in October. A cut of these ewes placed on a rye, clover, and cocksfoot paddock at the end of August had no deformed lambs. In 1928 no deformities were seen. The ewes had hay in June, and turnips from 1st July to 20th September, with run-off on old English pasture; then on to English grass till lambing. In 1929 there were six deformities. The flock received turnips from 1st August to 1st October, with pasture and clover hay. Six-tooth and eight-tooth ewes from which three of the deformities occurred had a run-off from turnips to a bare fescue-paddock. Older ewes, where the other three deformities occurred, had hay on an ordinary grass-paddock and no turnips. Rams were changed each season and bought from different breeders.

*D. N. (Oturehua).*—First loss in 1926. A few deformities in fifty Romney cross ewes wintered on grass and hay, and put in a rough fescue-paddock from 1st May till lambing. 1927: A hundred deformities in 200 Romney cross old ewes in lamb to good Romney rams. Wintered until lambing on rough tussock and fescue paddock, with hay but no turnips. 1928: A hundred deformities from 200 full-mouthed Corriedales by Romney rams. Wintered on rough tussock, with no hay; turnips from August to October, with run-off on fescue. English pasture for lambing. 1929: A hundred deformities in 200 two-tooth ewes (not related to other lots) by English Leicester and Corriedale rams. Wintered on rough fescue-paddock; turnips from 1st August to 1st October, and turned out at nights to bare fescue-paddocks. It is noteworthy that 800 other ewes from English pastures mixed with the 200 two-tooths from 1st August had no deformed lambs. Licks of salt, iodine, lime, and sulphur have been given to the sheep for two years.

*W. M. (Kokonga).*—In 1928 there were 250 deformities from 800 two-tooth Corriedale ewes by Corriedale rams from well-known and approved pedigree breeders. Grazed on tussock; put to ram on rank fescue for six weeks. Some ewes had turnips, but deformities occurred in spite of these. The ewes remained on the tussock block till lambing. In 1929 there were no deformities. The same ewes and rams were used, but the flock was kept off the fescue-paddock. Kept till lambing on tussock with clover, trefoils, &c., throughout.