

REQUESTS

Dr. N. C. Lambrechtsen, National Plant Materials Centre, Ministry of Works, Private Bag, Palmerston North, New Zealand, is experiencing difficulties in finding a suitable inoculum for the less common species of Lotus. He would especially appreciate an inoculum for L. creticus, if anyone can provide him with one.

Dr. J. A. McComb, Department of Agronomy, The University of Western Australia, Nedlands, Western Australia, is looking for a wide interspecific or intergeneric cross which would suit the following purpose: Dr. Dilworth has already shown that it is the plant, rather than the bacterial DNA which controls the type of leghaemaglobin produced in legume root nodules. We would now like to discover whether this genetic information is cytoplasmic or nuclear, and if possible, but not necessarily, find how many genes are involved and whether such genes are linked to other known morphological markers. Suitable parental lines would

a) be diploid and have clearly different leghaemaglobin when infected with the same strain of bacteria.

b) cross in both directions and produce fertile F_1 's without requiring embryo culture or synthetic polyploidy, etc.