**Title** | Mapping brucellosis herds  
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Introduction
The mapping programme initiated in cooperation with ERAD in 1990 continues with the updating of the national distribution of herds restricted due to brucellosis during 1994.

Method
Data entry of restrictions is made at the District Veterinary Offices with validation within the ERAD section of the Veterinary Division of the Department of Agriculture, Food and Forestry. The validated data are processed through EPIINFO software to Dbase III format which allows the creation of point file coverages in Environmental Systems Research Institute (ESRI)\(^1\) PC ARCINFO. A new software programme from ESRI, ARCVIEW v2.0c is now used to produce the map output.

\(^1\) Environmental Systems Research Institute, Redlands, Ca.

Discussion
The national distribution of brucellosis restricted herds is shown at two levels of scale. Figure 1 is an example of larger scale mapping at county level and Figure 2 illustrates the national scene for the years 1993 and 1994. A combination of sophisticated software and acquired detailed background mapping increases the level of analysis of the distribution of brucellosis herd restrictions. The national scene (Figure 2) can be analysed at larger scales for individual counties as shown in Figure 1. It is now possible to show details of District Electoral Division boundaries, towns, villages, roads etc. This approach will eventually lead to a better epidemiological analysis of disease in the country.

Figure 1. Larger scale map showing the distribution of brucellosis restricted herds.
Figure 2. Distribution of Brucellosis Restricted Herds

Brucellosis Restrictions
- Non-active Infection
- Active Infection

1993

1994