Table 2. Results of Multiple Correspondence Analysis (MCA) and Hierarchical Clusters Analysis (HCA) of biosecurity hazard identification by catchers (n=53). The greater the contribution of a hazard to a dimension the greater its influence on this dimension. The significance of each hazard to each dimension is indicated by the v test, with |v test|>2 indicative of a significant association. The percent of catchers correctly identifying each hazard is provided for each of the three main cluster groups suggested by Hierarchical Cluster Analysis

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Dimensions identified using MCA | | | | | | Percent correct identification of hazards within the main clusters identified using HCA | | |
| Description | Short name | Identified  hazard? | 1 | | 2 | | 3 | | 1 | 2 | 3 |
| Cont.\* | v  test | Cont. | v  test | Cont. | v  test | n=35 | n=10 | n=8 |
| The catching crew wear clothes from another farm | Clothes | False | **8.1** | **4.0** | 4.2 | -1.9 | **5.4** | **-2.2** | 83 | 50 | 38 |
| True | **3.5** |  | 1.8 |  | **2.3** |  |
| The catching forklift is not sanitised before going onto farm | Forklift | False | **20.1** | **6.0** | 0.8 | 0.8 | 0.0 | -0.1 | 94 | 70 | 0 |
| True | **6.5** |  | 0.3 |  | 0.0 |  |
| Dirty clothing and boots are put on from the back of the catching van | Dirty  clothes | False | **3.8** | **2.7** | **9.7** | **2.9** | **36.3** | **-5.5** | 74 | 100 | 25 |
| True | **1.5** |  | 3.8 |  | **14.3** |  |
| Boots are not dipped on entry to the shed | Dip | False | **5.9** | **2.9** | **16.2** | **3.2** | **37.5** | **4.9** | 100 | 100 | 75 |
| True | **0.2** |  | **0.6** |  | **1.5** |  |
| The modules/ transport crates are dirty | Crates | False | **20.8** | **5.7** | 2.1 | -1.2 | 0.9 | 0.8 | 97 | 80 | 50 |
| True | **3.2** |  | 0.3 |  | 0.1 |  |
| The forklift is not sanitised before entering another shed | Between  sheds | False | **4.1** | **2.7** | **43.3** | **-5.9** | 0.6 | 0.7 | 100 | 0 | 75 |
| True | **1.2** |  | **12.7** |  | 0.2 |  |
| The catching crew sit in their van for their break | Break | False | **19.3** | **5.4** | 3.8 | 1.6 | 0.8 | 0.7 | 100 | 100 | 50 |
| True | **1.6** |  | 0.3 |  | 0.1 |  |

\* Cont. = Contribution