Supporting Information: A typology of demographics of Australian sheep producer states of vulnerability to an FMD incursion, based on their exposure risk and response capacity.

Vulnerability		Low		Moderate		High	
Category (%)	All	High response capacity/low exposure	High response capacity/moderate exposure	High response capacity/High exposure	Low response capacity/low exposure	Low response capacity/Moderate exposure	Low response capacity/high exposure
State	Vic (46.6) NSW (44.6) WA (4.8) QLD (2.1) SA (1.9)	NSW (44.3) Vic (25.9) SA (11.8) WA (10.9) QLD (7.2)	Vic (67.7) NSW (31.2) QLD (1.1) WA (0.0) SA (0.0)	Vic (91.5) NSW (4.5) WA (4.0) QLD (0.0) SA (0.0)	NSW (47.8) Vic (43.5) WA (4.7) QLD (4.0) SA (0.0)	NSW (88.6) WA (6.7) Vic (4.7) QLD (0.0) SA (0.0)	Vic (88.4) NSW (9.2) WA (2.4) QLD (0.0) SA (0.0)
Production system	Sheep and other livestock (50.9) Sheep and crops (30.0) Sheep only (17.8) Other (1.3)	Sheep and other livestock (45.7) Sheep and crops (33.9) Sheep only (18.9) Other (1.6)	Sheep other livestock (50.7) Sheep and crops (35.6) Sheep only (13.7) Other (0.0)	Sheep and other livestock (67.8) Sheep only (28.9) Sheep and crops (0.0) Other (3.3)	Sheep other livestock (63.3) Sheep only (26.8) Sheep and crops (5.6) Other (4.3)	Sheep and crops (54.7) Sheep other livestock (36.6) Sheep only (8.7) Other (0.0)	Sheep other livestock (55.5) Sheep and crops (24.0) Sheep only (20.4) Other (0.0)
Property size (ha)	501-3000 (38.9) 1-100 (24.7) 101-500 (22.9) >3001 (13.5)	501-3000 (46.3) >3001 (41.6) 101-500 (10.5) 1-100 (1.6)	101-500 (53.4) 501-3000 (41.5) >3001 (2.9) 1-100 (2.3)	1-100 (87.2) 101-500 (12.8) 501-3000 (0.0) >3001 (0.0)	101-500 (42.1) 1-100 (31.4) 501-3000 (16.4) >3001 (10.1)	501-3000 (81.3) >3001 (18.7) 1-100 (0.0) 101-500 (0.0)	1-100 (94.3) 101-500 (5.7) 501-3000 (0.0) >3001 (0.0)
Number of ewes	1001-5000 (37.2) 301-1000 (22.5) 1-100 (20.7) 101-300 (11.1) > 5000 (8.6)	1001-5000 (53.3) > 5000 (27.2) 301-1000 (17.9) 101-300 (1.59) 1-100 (0.0)	301-1000 (55.3) 1001-5000 (37.9) 101-300 (3.9) > 5000 (2.8) 1-100 (0.0)	1-100 (79.1) 101-300 (20.9) 301-1000 (0.0) 1001 – 5000 (0.0) > 5000 (0.0)	101-300 (38.5) 1-100 (21.8) 301-1000 (19.1) 1001-5000 (19.0) > 5000 (1.5)	1001-5000 (70.6) 301-1000 (15.6) > 5000 (13.9) 101-300 (0.0) 1-100 (0.0)	1-100 (86.9) 101-300 (13.1) 301-1000 (0.0) 1001 – 5000 (0.0) > 5000 (0.0)
Years farming	>20 (62.2) 11-20 (14.6) < 5 (11.9) 5-10 (11.3)	>20 (44.9) 11-20 (37.0) 5-10 (14.7) < 5 (3.5)	>20 (69.7) 5-10 (12.6) 11-20 (12.1) < 5 (5.6)	>20 (44.4) 5-10 (24.1) < 5 (20.9) 11-20 (10.5)	>20 (65.8) 11-20 (19.8) < 5 (7.6) 5-10 (6.8)	>20 (99.2) < 5 (0.8) 11-20 (0.0) 5-10 (0.0)	< 5 (62.6) 5-10 (23.8) 11-20 (13.6) >20 (0.0)
Farming background (Generation)	Third (61.5) First (24.7) Second (13.9)	Third (82.1) Second (8.5) First (9.4)	Third (68.7) First (17.6) Second (13.7)	First (41.4) Third (36.6) Second (22.0)	Third (54.8) First (25.7) Second (19.5)	Third (77.4) Second (14.3) First (8.2)	First (83.2) Third (12.2) Second (4.6)
Number of workers on farm	1-5 (78.8) None (18.9)	1-5 (94.1) 6-10 (5.9)	1-5 (73.6) None (26.4)	1-5 (54.2) None (45.8)	1-5 (81.1) None (17.4)	1-5 (89.1) 6-10 (2.2)	1-5 (63.8) None (33.6)

	6-10 (1.5) >10 (0.8)	None (0.0) >10 (0.0)	6-10 (0.0) >10 (0.0)	6-10 (0.0) >10 (0.0)	>10 (1.5) 6-10 (0.0)	None (7.7) >10 (1.1)	>10 (2.7) 6-10 (0.0)
Primary income	No (58.7) Yes (41.3)	Yes (60.1) No (39.9)	No (73.2) Yes (26.8)	No (97.5) Yes (2.5)	No (74.6) Yes (25.4)	Yes (88.8) No (11.2)	No (100) Yes (0.0)
Age (years)	51-65 (40.2) 36-50 (27.8) 66-80 (17.4) 26-35 (11.6) 18-25 (1.6) Over 80 (1.3)	36-50 (34.5) 26-35 (34.2) 51-65 (23.7) 18-25 (6.6) 66-80 (0.0) Over 80 (0.9)	51-65 (30.2) 36-50 (26.5) 26-35 (17.6) 66-80 (14.2) 18-25 (1.3) Over 80 (2.0)	66-80 (45.8) 51-65 (30.2) 36-50 (12.0) 26-35 (12.0) 18-25 (0.0) Over 80 (0.0)	51-65 (50.7) 66-80 (27.3) 36-50 (17.1) Over 80 (1.8) 26-35 (1.7) 18-25 (1.4)	51-65 (54.9) 36-50 (20.2) 66-80 (20.9) 26-35 (2.1) Over 80 (1.9) 18-25 (0.0)	36-50 (70.1) 51-65 (29.9) 66-80 (0.0) 26-35 (0.0) 18-25 (0.0) Over 80 (0.0)
Gender	Male (74.2) Female (25.8)	Male (56.4) Female (43.6)	Male (89.1) Female (10.9)	Male (65.5) Female (34.5)	Male (67.1) Female (32.9)	Male (92.1) Female (7.9)	Female (51.9) Male (48.1)
Education	Degree (26.7) Tafe (26.6) Year 10 (18.4) Year 12 (15.7) Postgrad (10.7) Primary (1.8)	Degree (53.8) Year 12 (22.1) Postgrad (14.4) Tafe (9.7) Year 10 (0.0) Primary (0.0)	Tafe (34.5) Year 10 (28.2) Degree (16.8) Year 12 (10.3) Postgrad (5.4) Primary (4.9)	Degree (39.8) Postgrad (21.4) Year 12 (18.5) Tafe (8.4) Year 10 (7.9) Primary (4.1)	Tafe (32.4) Year 10 (29.8) Degree (19.3) Postgrad (14.5) Year 12 (4.0) Primary (0.0)	Tafe (32.2) Year 12 (24.9) Degree (20.5) Year 10 (18.0) Postgrad (3.4) Primary (1.0)	Tafe (31.7) Degree (19.7) Year 10 (18.6) Postgrad (17.0) Year 12 (12.9) Primary (0.0)
Seek Biosecurity information	No (67.1) Yes (32.9)	No (59.5) Yes (40.5)	No (95.2) Yes (4.8)	No (77.9) Yes (22.1)	Yes (62.9) No (37.1)	No (68.5) Yes (31.5)	No (51.5) Yes (48.5)
Isolate new stock	Always (64.4) Most of the time (13.8) Never (10.9) Occasionally (6.7) Rarely (4.2)	Always (79.9) Most of the time (11.8) Never (3.8) Rarely (3.8) Occasionally (0.7)	Always (64.1) Most of the time (17.0) Occasionally (9.7) Rarely (4.6) Never (4.5)	Always (40.5) Never (36.7) Occasionally (9.5) Most of the time (9.4) Rarely (4.0)	Always (79.9) Most of the time (11.8) Never (3.8) Rarely (3.8) Occasionally (0.7)	Always (64.1) Most of the time (17.0) Occasionally (9.7) Rarely (4.6) Never (4.5)	Always (40.5) Never (36.7) Occasionally (9.5) Most of the time (9.4) Rarely (4.0)
Restrict visitor access	Never (31.7) Rarely (21.0) Most of the time (18.3) Occasionally (14.7) Always (14.4)	Most of the time (32.8) Always (31.6) Rarely (17.9) Occasionally (14.6) Never (3.1)	Never (38.5) Rarely (28.4) Occasionally (19.6) Most of the time (10.9) Always (2.5)	Never (61.8) Always (14.0) Most of the time (12.0) Rarely (8.4) Occasionally (3.8)	Most of the time (32.8) Always (31.6) Rarely (17.9) Occasionally (14.6) Never (3.1)	Never (38.5) Rarely (28.4) Occasionally (19.6) Most of the time (10.9) Always (2.5)	Never (61.8) Always (14.0) Most of the time (12.0) Rarely (8.4) Occasionally (3.8)
Inforce visitor biosecurity procedures	Never (53.7) Rarely (18.6) Occasionally (12.2) Most of the time (9.7) Always (5.9)	Rarely (25.9) Never (20.9) Most of the time (20.5) Always (17.8) Occasionally (14.9)	Never (62.0) Rarely (20.0) Occasionally (14.4) Most of the time (3.7) Always (0.0)	Never (87.0) Most of the time (6.3) Rarely (4.0) Occasionally (2.7) Always (0.0)	Rarely (25.9) Never (20.9) Most of the time (20.5) Always (17.8) Occasionally (14.9)	Never (62.0) Rarely (20.0) Occasionally (14.4) Most of the time (3.7) Always 0.0)	Never (87.0) Most of the time (6.3) Rarely (4.0) Occasionally (2.7) Always (0.0)

Frequency of visual animal checks	Once a week (54.3) Every day (35.7) Few times year (4.4) Once a month(4.4) Once a year (1.2) Never (0.0)	Once a week (52.8) Every day (36.6) Few times year (5.1) Once a month(4.2) Once a year (1.4) Never (0.0)	Once a week (52.8) Every day (36.6) Few times year (5.1) Once a month(4.2) Once a year (1.4) Never (0.0)	Once a week (52.8) Every day (36.6) Few times year (5.1) Once a month(4.2) Once a year (1.4) Never (0.0)	Once a week (55.9) Every day (34.9) Once a month(4.6) Few times year (3.7) Once a year (0.9) Never (0.0)	Once a week (55.9) Every day (34.9) Once a month(4.6) Few times year (3.7) Once a year (0.9) Never (0.0)	Once a week (55.9) Every day (34.9) Once a month(4.6) Few times year (3.7) Once a year (0.9) Never (0.0)
Confidence in identifying sighs of FMD	Not at all (37.4) Slightly (29.8) Moderately (19.7) Very (10.0) Extremely (3.1)	Slightly (38.9) Not at all (31.9) Moderately (14.7) Very (10.5) Extremely (3.9)	Slightly (38.9) Not at all (31.9) Moderately (14.7) Very (10.5) Extremely (3.9)	Slightly (38.9) Not at all (31.9) Moderately (14.7) Very (10.5) Extremely (3.9)	Not at all (42.8) Moderately (24.4) Slightly (20.9) Very (9.6) Extremely (2.3)	Not at all (42.8) Moderately (24.4) Slightly (20.9) Very (9.6) Extremely (2.3)	Not at all (42.8) Moderately (24.4) Slightly (20.9) Very (9.6) Extremely (2.3)