An assessment of animal welfare impacts in wild Norway rat (*Rattus norvegicus*) management

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Online Resource 9: Frequency of stakeholder confidence scores for impact and duration assessments for six rat management methods. Blank cells are not relevant to assessment for a particular method; glue trap deployment was not deemed to impact upon rats until they are trapped, so deployment cell is blank for glue traps. Confidence scores are: 0=no animal data available, possible negative affective experiences inferred from human reports; 1=low confidence, more specific/detailed animal data required; 2=moderate confidence, more specific/detailed animal data would clarify; 3=high confidence. Median confidence scores are highlighted yellow.

	PART A DEPLOYMENT										PART A LIVE CAPTURE										PART B KILLING									
	Overall impact Confidence score				n	Duration Confidence score				n	Overall impact Confidence score				n	Duration Confidence score				n	Level of suffering Confidence score				n	Duration Confidence score				n
	0	1	2	3		0	1	2	3		0	1	2	3		0	1	2	3		0	1	2	3		0	1	2	3	
Snap traps	0	0	0	15	15	0	0	2	13	15											0	12	1	0	13	0	1	8	3	12
Cage traps followed by concussive blow to head	0	0	0	15	15	0	0	2	13	15	0	0	12	2	14	0	0	0	15	15	0	2	7	6	15	0	0	0	15	15
Gle traps followed by concussive blow to head											0	0	1	14	15	0	0	0	15	15	0	0	7	8	15	0	0	0	15	15
Anticoagulants (scenario 1*)	0	0	2	12	14	0	0	4	10	14											0	0	9	5	14	0	0	2	12	14
Anticoagulants (scenario 2*)	0	1	2	12	15	0	0	0	15	15											0	0	9	5	14	0	0	2	12	14
Cholecalciferol (scenario 1*)	0	0	2	12	14	0	0	4	10	14											0	0	0	14	14	0	0	3	11	14
Cholecalciferol (scenario 2*)	0	1	2	12	15	0	0	0	15	15											0	0	0	14	14	0	0	3	11	14
Cellulose (scenario 1*)	0	0	2	12	14	0	0	4	10	14											0	0	6	9	15	0	0	1	14	15
Cellulose (scenario 2*)	0	1	2	12	15	0	0	0	15	15											0	0	6	9	15	0	0	1	14	15

*In deployment scenario 1, for the three baiting methods, boxes/tunnels or trays are deployed (without bait) a few days in advance of beginning baiting treatment. In deployment scenario 2, anticoagulant/cholecalciferol/cellulose baited boxes/tunnels or trays are deployed straight away. Existing food sources are removed wherever possible in both scenarios.