

# RASH Score Card

Date:		Property Name:		Paddock:	
Transect Id:		GPS/Location Description			
Seasonal Conditions		Days since 20mm rain		Soil Texture <i>From your texture assessment:</i>	

Indicator	Comments	Rating				Results					Av. Score
		Poor 0	Moderate 1	Good 2	Very Good 3	1	2	3	4	5	
Groundcover	Use the Groundcover Worksheet	Less than 50%	Between 50% & 70%	Between 70% & 90%	Over 90%						
Infiltration		More than 10 mins	3 to 10 mins	Less than 3 mins but more than 1 min	Less than 1 min						
Aggregate Stability	Do stability & sodicity tests at the same time.	Complete collapse at 10 mins	Up to 70% collapse at 10mins	Edges collapse only at 10 mins	No slaking at all at 10 mins						
Sodicity		Strong dispersion at 10 mins or complete at 2hrs	Slight dispersion at 10 mins or strong at 2hrs	Slight dispersion at 2hrs	No dispersion at 2hrs						
PH 10cmdepth 20cm depth	Do pH & salinity tests at the same time.	Less than 5 or more than 8	From 5 to 5.5 or 7.5 to 8	From 5.5 to 6 or 7 to 7.5	Between 6 & 7						
		Less than 5 or more than 8	From 5 - 5.5 or 7.5 - 8	From 5.5 to 6 or 7 - 7.5	Between 6 & 7						
Salinity		More than 6	Between 2 & 6	Between 1.5 & 2	Less than 1.5						
Root Depth		Less than 15 roots at 10cm depth	15 roots at 10cm depth	15 roots at 15cm depth	15 roots at 20cm depth						
Root Volume 10cmdepth 20cmdepth		0 - 3 out of 10	4 - 6 out of 10	7 - 9 out of ten	10 out of 10						
		Nil	1 - 3 out of 10	4 - 8 out of 10	More than 8						
Soil Organisms	Sample top 10 cm	Nil seen	1 type only	2-5 types seen	More than 5 types seen						

If a Soil Health indicator scores less than 2 then consider action to improve. For Groundcover, if less than 70% then consider action to improve.

Now add up all your average scores to get an:	<b>Overall Soil Health Rating</b>				<b>TOTAL SCORE</b>	
<b>Poor: 0 - 6</b>	<b>Moderate: 7 - 13</b>	<b>Moderately Good: 14 - 20</b>	<b>Good: 21 - 27</b>	<b>Very Good: 28 &amp; above</b>		

See the Troubleshooting Guide in the RASH Manual for soil health improvement practices.

# RASH Groundcover Worksheet

Use this Worksheet to calculate the % Groundcover at your sample site.

Date:		Property Name:		Paddock:	
Transect Id:		GPS/Location Description			

**Step 1:** Mark both toes of your boots with liquid paper.

**Step 2:** Start at the beginning of the sample transect & step out at least 25m parallel to the transect. Ideally step out 50m or walk two 25m transects 10m apart.

**Step 3:** Each time you take a step, stop, look down at your toe mark and observe what you see: bare ground, a plant, stubble/litter, manure or a rock.

**Step 4:** Record what you see in the Table below.

**Step 5:** When you have finished walking the transect, tally up all the results in the table below. Then calculate the percentage Groundcover.

Groundcover Type		Tally of Observations	Total #		Calculation
Plant					<i>A</i>
Stubble/litter					<i>Divided by</i>
Manure					<i>A+B</i>
Rock					<i>Equals</i>
Total Groundcover	<b>A</b>				<i>Multiplied by 100</i>
Bare Ground	<b>B</b>				<b><i>Equals % Groundcover</i></b>

*Groundcover is assessed by dividing the total score for all observations except bare ground (A) by the total score for all observations (A) plus Bare Ground (B). Multiply your answer by 100 to get a percentage. Use the Calculation on the right of the Table to work it out.*