

### **Interpretation: Macroaggregate stability under conventional tillage**

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Scope: Surface/near surface horizons, conventional tillage, focus on macroaggregates (>250 micron)

#### **Criteria Table:**

<b><u>Property</u></b>	<b><u>Not limiting</u></b>	<b><u>Somewhat limited</u></b>	<b><u>Very limited</u></b>	<b><u>Reason</u></b>
<b>% clay</b>	> 36	21 - 35	0 - 20	Lower clay content results in lower aggregate stability.
<b>% OM</b>	> 5	1 - 5	0 - 1	Lower organic matter results in lower aggregate stability.
<b>Suborder / SMR</b>  <b>Depth to Water</b>			Aqu- / aquic  within 50cm	Shallow depth to water table during growing season results in higher moisture status. Soil aggregates are less stable at higher moisture content.
<b>Fe<sub>2</sub>O<sub>3</sub></b> <b>(Fe<sub>d</sub>, mass %)</b>	> 2	0.5 - 2	< 0.5	Low free iron oxide (esp. with low % OM) results in lower aggregate stability.
<b>ESP, %</b>	0 - 4	4 - 10	> 10	High exchangeable sodium percentage results in dispersion of clay and low aggregate stability.
<b>EC (dS/m)</b>	Any (with ESP < 4%)	< 4 (with ESP > 4%)	< 4 (with ESP > 10%)	Low EC (with high ESP) results in dispersion of clay and low aggregate stability.

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