

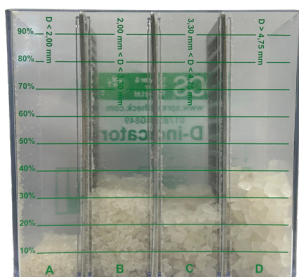


Is it worth its weight in salt?

What sets *Sweetgrass* and *Sweet Silage* apart from its competitors is the specification of the salt that it contains. A special coating reduces the risk of it picking up moisture even when blended with nitrogen, phosphate, potash and sulphur.



Sweetgrass and Sweet Silage	Agricultural salt																																
Refined salt crystals	Unrefined salt																																
Special coating to reduce hygroscopicity, meaning it reduces the salts ability to attract and hold water from the surrounding environment.	No coating, so more easily absorbs water																																
Compatible to blend with N, P, K and S, along with other essential micronutrients such as Selenium, Cobalt etc	Difficult to blend with N																																
Size matched with typical N, P, K and S raw materials, minimising risk of segregation	Significantly bigger than typical N, P, K and S raw materials, increasing risk of segregation																																
Trialled and tested in the UK and Ireland, and used extensively in grassland grades for over a decade	Used extensively for "delivered and spread" salt grades as limited shelf life																																
Typical granulometry information:	Typical granulometry information:																																
<table border="1"> <thead> <tr> <th></th> <th>% in the grade</th> </tr> </thead> <tbody> <tr><td><2.5mm</td><td>57.3%</td></tr> <tr><td>2.5mm-3.54mm</td><td>22.1%</td></tr> <tr><td>3.55mm-4.9mm</td><td>13.3%</td></tr> <tr><td>5mm and above</td><td>7.4%</td></tr> <tr><td>Typical crush strength</td><td>8.2</td></tr> <tr><td>Typical bulk density</td><td>1.26</td></tr> <tr><td>Typical average diameter mm</td><td>2.21</td></tr> </tbody> </table>		% in the grade	<2.5mm	57.3%	2.5mm-3.54mm	22.1%	3.55mm-4.9mm	13.3%	5mm and above	7.4%	Typical crush strength	8.2	Typical bulk density	1.26	Typical average diameter mm	2.21	<table border="1"> <thead> <tr> <th></th> <th>% in the grade</th> </tr> </thead> <tbody> <tr><td><2.5mm</td><td>6.2%</td></tr> <tr><td>2.5mm-3.54mm</td><td>21.5%</td></tr> <tr><td>3.55mm-4.9mm</td><td>31.6%</td></tr> <tr><td>5mm and above</td><td>40.7%</td></tr> <tr><td>Typical crush strength</td><td>9.4</td></tr> <tr><td>Typical bulk density</td><td>1.15</td></tr> <tr><td>Typical average diameter mm</td><td>4.52</td></tr> </tbody> </table>		% in the grade	<2.5mm	6.2%	2.5mm-3.54mm	21.5%	3.55mm-4.9mm	31.6%	5mm and above	40.7%	Typical crush strength	9.4	Typical bulk density	1.15	Typical average diameter mm	4.52
	% in the grade																																
<2.5mm	57.3%																																
2.5mm-3.54mm	22.1%																																
3.55mm-4.9mm	13.3%																																
5mm and above	7.4%																																
Typical crush strength	8.2																																
Typical bulk density	1.26																																
Typical average diameter mm	2.21																																
	% in the grade																																
<2.5mm	6.2%																																
2.5mm-3.54mm	21.5%																																
3.55mm-4.9mm	31.6%																																
5mm and above	40.7%																																
Typical crush strength	9.4																																
Typical bulk density	1.15																																
Typical average diameter mm	4.52																																
<small>This information is based on Origin Fertilisers analysis in line with EFBA Code of Good Practice for Quality third edition. The information is for guidance only.</small>	<small>This information is based on Origin Fertilisers analysis in line with EFBA Code of Good Practice for Quality third edition. The information is for guidance only.</small>																																



Talk to us about grassland nutrition

t: 03333 239 230 e: enquiries@originsoilnutrition.co.uk www.originsoilnutrition.co.uk

Not all salt is the same



**5 times more sodium landing sites
in Origin Sweetgrass than the same
analysis made with agricultural salt**



**172 granules per
square metre**

Landing sites:

Origin Sweetgrass applied at 250kg/ha will give an estimated 172 granules per square metre, ensuring even distribution of sodium, making it easier for the roots to access and take up into the sward. This is key in making the grass more palatable to the animal, and helps make sure they receive sweeter grass in every mouthful.

If we used agricultural salt to make the same grade, it would only provide circa 34 granules per square metre, giving poorer distribution of sodium and making it less palatable.



**34 granules per
square metre**

	Origin Sweetgrass	Made with agricultural salt
Sodium granules per square metre	172	34
Centimetres between each sodium granule	7.62cm	17.23cm

What benefits does grass containing sodium give to the animal?

Although grass does not need sodium, its uptake produces significant benefits. Bangor University researched the effects of applying sodium as a grassland fertiliser over many years and published peer reviewed papers in 1991 showing:

- 18.6% increase in intake of dry matter per cow per day
- 9.3% increase in milk yield per cow per day
- 15.6% increase in butterfat per cow per day

Talk to us about grassland nutrition

t: 03333 239 230 e: enquiries@originsoilnutrition.co.uk www.originsoilnutrition.co.uk

