

WINDY HARBOUR

We Are Open with High Quality Lime Available

Jackson Brothers trading as WALCO Western Agricultural Lime Co Australia is excited to announce we have High Quality Crushed Limestone available now for delivery from our Windy Harbour quarry.

Jackson Brothers have had a proud relationship with the area for many years having operated the Windy Harbour quarry since 1978. In the last two years there have been issues which have been resolved and now allowing a large amount of our lime to be crushed and screened ready for use by farmers in the area.

Our lime has always had a great reputation for its high calcium carbonate content, the blend of “fines” in the product which have a fast result in improving the soil pH level necessary for the area. For full details of the laboratory test results please see the back of this page.

There have been rumours and myths both about the Windy Harbour quarry and the quality of our lime but we can say without reservation that the quarry is fully operational and will remain so in the future.

Comprehensive comparisons have been conducted using an approved Lime Calculator which meets both ISO / AS and industry standards to calculate the Effective Neutralizing Value (ENV) of lime by conducting sieve testing.

Many suppliers will quote the Bulk Neutralizing Value of their lime or use the “old” WA Lime Calculator which has been discredited and no longer available. These values that are quoted are misleading and don't give the true picture. It is essential to compare lime sources – crushed limestone, lime sands, chalk lime and other products using the correct lime calculator.

Quoting Peter Newman, an agronomist and creator of MyResearchAgro app “*When applying lime, what matters is how much ENV (Effective Neutralising Value) you are applying with emphasis on the key word, **Effective**” and “We know that lime must come in contact with acid for it to dissolve and raise the pH so the bigger the surface area of the lime, the better. Finer particles create a larger surface area and changes the pH faster”.*

NEUTRALISING VALUE TEST REPORT

*BSEN1245:2014 Method A , AS 1289.3.6.1. Wash Sieved

Client	WALCO - Western Agriculture Lime Co.	Ticket No.	M322
Client Address	PO Box 40, Pemberton WA 6260	Report No.	LLM19/684_1_NV
Project	Material Assessment	Sample No	LLM19/684
Sampling Location	Windy Harbour	Date of Test	5/12/2019
Sample Identification	Sample 1	Sampled By	Client
Sampling Method	Sample by client.	Date Sampled	28/11/2019

LABORATORY TEST RESULTS

Sieve Range (mm)	% Retained	Neutralising Value	Effective Neutralising Value (ENV)
0.000 - 0.125	23.3	92.6	21.5
0.125 - 0.250	14.8	80.8	6.9
0.250 - 0.500	25.7	89.3	9.6
0.500 - 1.000	15.8	94.7	5.1
>1.000	20.4	94.1	5.3
Weighted Average Neutralising Value	95.7	Calcium (%)	36.6
Bulk Neutralising Value	91.4	Magnesium (%)	0.6
Total Effective Neutralising Value	48.6	Sodium (%)	0.2

Comments

Efficiency Factors	0.00-0.125	1.00	0.250-0.500	0.42	>1.00	0.22
	0.125-0.250	0.58	0.500-1.00	0.34		




Accredited for compliance with ISO/IEC 17025 - Testing
Accreditation No. 19872

**Not Covered Under Scope*

Approved Signatory

Name
Function
Date



Ryan Grieve
Technical Manager
6/12/2019