

ONIONS – (*Allium cepa*)

Suitability class	Soil Depth (Depth to heavy clay)	pH H ₂ O (top 15cm)	ECse* (top 15 cm)	Drainage	Stoniness (stones > 60 mm in the top 15 cm)	Slope	Exch Ca (top 15 cm)	Exch Mg (top 15 cm)	Heat at harvest > 3 days where T _{max} > 31°C at harvest (January or February)	Rainfall at harvest (> 3 days in any 7 day period with ≥ 5 mm rain/day during January – March)	Spring frost At least 1 day where T _{min} < 0°C in November
W	>25cm	> 6.0	<2.0	Excessive ; Well	< 2 % ¹	< 5 %	> 2000 ppm	> 120 ppm	<1/10 years	<1/5 years	≤ 2/5 years
S	>25cm	> 6.0	2.0-4.0	Mod Well	< 2 % ¹	5 to 10 %	> 2000 ppm	> 120 ppm	1/10 - 2/10	1/5-3/10	≤ 2/5 years
MS	20-25cm	5.8 - 6.0	2.0-4.0	Imperfect	2 - 10 % ²	10 - 20 %	> 2000 ppm	> 120 ppm	2/10 – 3/10	3/10-2/5	>2/5 years
U	<20cm	< 5.8	> 4.0	Poor; very poor	> 10% ³	>20%	< 2000 ppm	< 120 ppm	> 3/10	>2/5 years	>2/5 years

Well suited (W): Land having no significant limitations to sustained application of a given use, or only minor limitations that will not significantly reduce productivity or benefits and will not raise inputs above an acceptable level. Any risk of crop loss is inherently low or can be easily overcome with management practices that are easy and cheap to implement.

Suitable (S): Land having limitations which are moderately severe for sustained application of a given use; the limitations will reduce productivity or benefits and increase required inputs to the extent that the overall advantage to be gained from the use, although still attractive, will be appreciably inferior to that expected on Class S1 land. Risk of crop loss is moderately high or requires management practices that are difficult or costly to implement.

Marginally Suitable (MS): Land having limitations which are severe for sustained application of a given use and will so reduce productivity or benefits, or increase required inputs, that this expenditure will be only marginally justified. Risk of crop loss may be high.

Unsuitable (U): Land which has qualities that appear to preclude sustained use of the kind under consideration.