

Environmental Information Sheet

LINZONE[®] MAPP 16578



Linzone is a mixed formulation (ZC) comprising a capsule suspension (CS) containing 45 g/L clomazone and a suspension concentrate (SC) containing 250 g/L linuron.

Linzone is a pre-emergence herbicide for the control of a range of annual weeds in potatoes, winter and spring field beans, combining peas and vining peas.

Maximum individual dose: 2.0 L/ha for all crops

Maximum number of applications: one per crop

Latest time of application: Pre-crop emergence

Section	Profile
1. WILDLIFE Mammals and birds	Linzone is not classified as ' <i>Harmful to game, wild birds and animals</i> '. Care must be taken when using the product in areas where breeding birds may be present as the linuron component is classed as slightly toxic to birds. One application per season limits any long term risk to birds and small animals particularly in the field margins.
2. BEES	No risk management is necessary and there is no requirement to avoid application of the product when bees may be foraging on flowering weeds.
3. NON TARGET INSECTS AND OTHER ARTHROPODS	No risk management necessary. Linzone poses a low risk to a range of arthropod species commonly found in and around treated areas.
4. AQUATIC LIFE	Linzone is classified as " <i>very toxic to aquatic life with long lasting effects</i> ". It is moderately toxic to fish, highly toxic to daphnia and algae and extremely toxic to aquatic plants (<i>lemna</i>). Care should be taken to minimise drift when applying Linzone near to any static or flowing water body. Care should be taken to ensure that surface waters and ditches are not contaminated with product or used containers. Spray must be aimed away from water. Risk management is essential. A 6 m buffer zone must be applied, in conjunction with three start drift reduction technology when spraying around treated areas close to water.
5. SOIL AND GROUNDWATER Earthworms Soil micro-organisms	Linzone is moderately persistent in soil. Follow label instructions carefully to avoid risk to subsequent crops. The active ingredients are moderately mobile in soil. When used at recommended rates of use there is no risk of contamination of groundwater. Linzone is moderately toxic to earthworms. No risk management necessary at rates of use and timing recommended on the product label. Linzone is of low risk to soil micro-organisms. No risk management is deemed necessary to prevent risks to soil respiration and nitrogen turnover processes.
6. NON-TARGET PLANTS	As Linzone is a herbicide care must be taken when applying this product as it may be harmful to some species of wild plants that are found in and around the margins of fields. <i>"Extreme care must be taken to avoid spray drift onto non-target plants outside of the target area"</i> Under certain climatic conditions i.e. hot and

	humid weather, clomazone has the potential to volatilize and some transient bleaching of non-target crops and other plant species may occur. This effect is rapidly outgrown and has no long term effects on plant growth or crop yields. The use of drift reducing measures are advised and these include: use of low drift nozzles, only spray when wind speeds are between 1.2 and 4 miles per hour and maintain an appropriate boom height and forward speed.
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USE PLANT PROTECTION PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE. FOR FURTHER PRODUCT INFORMATION INCLUDING WARNING PHRASES AND SYMBOLS REFER TO THE BELCHIM (UK) WEBSITE (WWW.BELCHIM.CO.UK)

Care must be taken to minimise the risk of surface water contamination from farmyard and field sources.

For further information about the environmental profile of this product contact:

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This Environmental Information Sheet was prepared in accordance with CPA Guidance Notes V4 August 2005.

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