

TECHNICAL BULLETIN - SPRING 2021

CLAYTON NEUTRON®



Clayton Neutron, new to the market in 2021, is a suspension concentrate sugar beet herbicide containing 700g/l metamitron. As part of the rapid expansion of Clayton's generic product portfolio, Clayton Neutron has been developed as a reverse engineered version of the popular sugar beet herbicide, Goltix. Clayton Neutron was registered through the article 34 process which ensures the identity of Clayton's Neutron recipe to the reference product, Goltix. Clayton Neutron is then manufactured in the UK to the highest standards. As such the performance and compatibility of Clayton Neutron is assured.



Clayton Neutron controls a wide range of weeds in Sugar beet, Red beet, Fodder beet and Mangels:

WEEDS CONTROLLED

Pre-emergence followed by post-emergence applications

Weeds controlled from a pre-emergence application of Clayton Neutron followed by a programme of well-timed sprays of post-emergence applications at early cotyledon stage of the weeds of Clayton Neutron+Cropspray 11E.

Susceptible	Moderately Susceptible	Resistant
Red Dead-nettle	Common Chickweed	Black-bindweed
Groundsel		Cleavers
Fat-hen		Field Pansy
Scarlet pimpernel		Knotgrass

Post-emergence programme

Weeds controlled at early cotyledon stage from a series of well-timed sprays of Clayton Neutron+ Cropspray11E.

Susceptible	Moderately Susceptible	Moderately Resistant	Resistant
Annual meadow-grass	Field Forget-me-not	Fumitory, common	Black-bindweed
Chickweed, common	Knotgrass	Parsley, fool's	Cleavers
Dead-nettle, red	Mayweeds		Perennial weeds
Fat-hen	Field Pansy		
Groundsel	Field Penny-cress		
Hemp-nettle, common	Pale Persicaria		
Nettle, small	Redshank		
Orache	Scarlet pimpernel		
Poppy, common			
Pineappleweed			
Shepherd's Purse			
Speedwells			

It is important to adhere to the full programme of sprays to ensure complete kill, particularly under dry soil conditions.

The label recommendation for Clayton Neutron is as follows:

Crops	Max. Individual dose (L product/ha)	Max. total dose (L product/ha)	Latest time of application
Sugar beet, red beet, fodder beet and mangels	2.0	5.0	Before crop meets between the rows

IMPORTANT INFORMATION: For professional use only as an agricultural herbicide

OTHER SPECIFIC RESTRICTIONS

The minimum interval between applications is 6 days. Fodder beet and mangels must not be grazed by livestock or harvested for animal consumption until at least 32 days following the last application.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

TIME OF APPLICATION

Clayton Neutron may be applied either as a pre-emergence application followed by post-emergence applications or as a post-emergence programme.

Pre-emergence of beet followed by post-emergence applications:

Apply the first application of Clayton Neutron at the pre-emergence stage of the crop. Prolonged dry weather after application may reduce effectiveness. Best results will be obtained on a fine, well consolidated seedbed, free from clods and established weeds. Cloddy or fluffy seedbeds or very dry conditions will reduce activity. A second application should be applied post-emergence of the crop at the first weed flush, when the weeds are at the expanded cotyledon stage. A further application should be applied when the next flush of weeds germinates. This is usually 10-21 days after the first post-emergence application.

Post-emergence programme:

The first application should be made at the cotyledon stage of the earliest germinating weeds. The size of the beet does not matter provided the crop is not under stress. The treatment should be repeated as each flush of weeds reaches the cotyledon stage until weed germination ceases. If weeds have survived the previous spray 7-10 days after treatment, another application should be made even if no new weeds have germinated during the period.

To ensure the best performance from Clayton Neutron always read the label before use. All of our product labels are available at **Claytonpp.com**

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