

VEGETABLE NEWS

December 2007

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Withdrawal of pesticides

The EU review of pesticides, designed to ensure that the safety of all pesticides used throughout Europe is evaluated to modern standards, resulted in the phasing out of a number of products in 2003/04.

These were withdrawn either due to health and safety concerns or because they were unsupported by manufacturers.

There was agreement at that time that, in cases where product withdrawal would cause serious problems, an essential use would be granted until end 2007. It was hoped that this would allow time for alternative products/methods of control.

These essential use products have now reached their expiry date. The products listed below cannot legally be used after the end of December 2007

Essential use products expiring on 31st December 2007

Active Substance	Trade Name	Crops where use was allowed
aldicarb	Temik	Potato, carrot, parsnip, onion,
cyanazine	Fortrol	Pea, broad bean, broccoli, calabrese, cauliflower, cabbage, kale, collard onion, leek,
metoxuron	Dosaflo	Carrot, parsnip

Essential use products expiring on 31st December 2007		
Active Substance	Trade Name	Crops where use was allowed
pentanochlor	Atlas Solan Croptex Bronze (Atlas Brown)	Celeriac, celery, carrot, parsnip, herbs,
prometryn	Gesagard Alpha Prometryne	Onion, leek, herbs, celery, carrot, parsnip,
simazine	Gesatop	Beans, rhubarb, aparagus,
sodium monochloroactate	Croptex Steel Atlas Somon	Onion, leek, broccoli, calabrese, cauliflower, cabbage, Brussels sprout, kale

In addition other approvals due to expire are:

terbutylazine /terbutryn (Opogard)
expiry at the end of December 2007

paraquat (Gramoxone) expiry at the
end of August 2008

trifluralin (eg Treflan) expiry at the
end of March 2009 .

In the case of trifluralin the
manufacturer has said that it will be
submitting new data in an effort to
achieve re- registration in the future.

Lower rates for certain products

A number of pesticides are due to
expire in 2008/09. It is expected that
many of these will be registered but
the new approval may set the limit at
a lower maximum dose than
currently allowed.

Stocks of pendimethalin (eg Stomp,
sovereign) with the current label
allow the rate of 5l/ha until 31
December 2008. New labels are
expected to restrict the maximum
dose to 3.3 l/ha. Problems in control

of some weed species can be
expected. No control is claimed for
cleavers, mayweeds or redshank at
this lower rate, while fumitory and
shepherds purse will only be
moderately susceptible

Linuron will also have a reduction in
rate after 31 December 2008. The
total amount of active ingredient
permitted will be 950gm/ha.

Weed control in carrots

Carrots have been hardest hit by the
withdrawal of pesticides and weed
control will be more difficult without
some of the important herbicides.

Off label approval is expected for
prosulfocarb (Defy) in 2008. On its
own Defy does not have a wide
weed spectrum, although it is very
effective on cleavers. However when
mixed with linuron this spectrum is
much improved and the mix does kill
volunteer potatoes.

An off label is also being sought for
the active ingredient aclonifen. This

is effective on mayweeds and fumitory. If this product is available in 2008 then a mix with pendmethalin (Stomp) and clomazone (Gambit) will give good pre-emergence control. Aclonifen is also safe pre-emergence on parsnips.

Post emergence control for carrots will rely on linuron, prosulfocarb (Defy) and metribuzin (Sencorex). Further work is being carried out on aclonifen to determine its safety post emergence.

There may be a potential replacement (flumioxazin) for Dosafo but registration is not expected before 2010.

Weed wipers are currently available to control weeds growing at least 150mm above the crop. The next development is to use video images, analysed by computer, to allow automatic detection and spot

spraying of volunteer potatoes. Prototypes have been developed and field scale testing is expected to take place in 2009.

Weed control in swedes

As there is a distinct lack of post-emergence herbicides for swedes, growers used trifluralin in the seed bed to improve pre-emergence weed control. When trifluralin is no longer available growers will need to make best use of other chemicals.

Metazachlor (eg Butisan S) will still be available and with chlorthal-dimethyl (Dacthal) or chlorthal-dimethyl/propachlor (Decimate) will control a wide weed spectrum although not fumitory or charlock.

Clomazone (Gamit) has off label approval and is useful for controlling chickweed, cleavers and shepherds purse

Off label Update

The following relevant off label approvals have been issued since the September 2007

Product	Active ingredient	Use	Crop	Off label number
Fazor	maleic hydrazide	growth suppressant	carrot, parsnip	2703/07
Insyst	acetamiprid	aphid control	Brussels sprouts	2866/07
Clayton Chizm Cleancrop Curve Delsene 50 Flo	carbendazim	big vein virus	lettuce	3095/07 3106/07 3115/07
Biscaya	thiacloprid	aphid control	swedes	3132/07
Markate 50	lambda-cyhalothrin	bean seed beetle	Broad beans	3234/07
Markate 50	lambda-cyhalothrin	general insect control	beetroot	3254/07

Product	Active ingredient	Use	Crop	Off label number
Markate 50	lambda-cyhalothrin	general insect control	scallion	3256/07
Markate 50	lambda-cyhalothrin	carrot fly	celery	3257/07
Markate 50	lambda-cyhalothrin	general insect control	parsley	3259/07
Lytic Genie 25 Capitan 25 Sanction 25	flusilazole	canker(<i>phoma spp</i>)	swede	3270/07 3283/07 3284/07 3285/07
Invader	dimethomorph + mancozeb	downy mildew	Bulb onion.garlic	3432/07
Invader	dimethomorph + mancozeb	white tip	leek	3434/07
Cleancrop Chicane	fosetyl-aluminum	downy mildew	scallion	3565/07
Cleancrop Chicane	fosetyl-aluminum	general disease control	parsley	3572/07
Scala	pyrimethanil	botrytis	parsley	3635/07

Note Insyst (acetamiprid) is of the same family (neonicotinoid) as Biscaya (thiacloprid) and Gaucho (imidacloprid). Only 2 applications of neonicotinoid insecticides can be made to a crop.

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