



DIPHENYLAMINE (DPA)

Agriculture Canada is advising growers and fruit packing plants that apples treated with diphenylamine should not be stored in the same room with pears or other fruits.

Residue on Pears

In the fall of 1987, Health and Welfare Canada conducted routine residue monitoring tests on apples and pears in a British Columbia packing house. Residue levels above 0.1 ppm diphenylamine were found on Anjou pears. These levels are in violation of the Food and Drug Regulations. A subsequent study indicated that diphenylamine could be transferred from treated apples in one bin to untreated pears in a separate bin where both are stored in the same storage facility.

*This bulletin is published by the Pesticide Information
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information, please contact:*

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*Ce bulletin d'information est préparé par le Secrétariat à
l'information de la Direction des pesticides. Pour de plus
amples renseignements, veuillez contacter :*

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Registration Status

Diphenylamine has been used in Canada since 1965. At present, it is only registered for use on apples to reduce scald damage during storage. Two products are registered in Canada:

No Scald DPA EC-283;
PCP Registration No. 13471
Shield Liquid DPA 15%;
PCP Registration No. 18983

Diphenylamine can be applied to apples either as a preharvest spray or postharvest spray or dip. Fruit that has already been treated must not be given a postharvest application. To minimize fruit injury, postharvest-treated apples must be drained thoroughly following treatment.

A maximum residue limit of 5 ppm has been established under the Food and Drug Regulations for diphenylamine on apples. No uses or residue limits have been accepted for pears.

Future Action

Additional data on fruit storage practices and volatilization will be reviewed to determine the possibility and extent of diphenylamine transfer. This review will, in turn, help develop an accurate precautionary label statement. In the interim, all user groups are requested, by means of this CAPCO Note, to avoid storing DPA-treated apples with pears or other fruits.

Please direct inquiries regarding diphenylamine to the National Pesticides Call Line: 1-800-267-6315.

DISTRIBUTION:

Canadian Association of Pesticide Control Officials
Public Interest Groups
User Groups

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