

HDC Survey of Chemical Usage

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TABLE A RESPONSE TO THE SURVEY

Tons compost per week	'BAG' growers	Registered producers	Accumulated total per category
< 5	25	6	63
5 - 9	20	12	
10 - 19	7	14	36
20 - 29	4	11	
30 - 39	1	11	25
40 - 59	—	6	
60 - 99	—	7	
100 >	1	18	19
Spoiled	1	1	—
Composters		2	—
Total	58 (59)	85 (88)	143

TABLE B WEIGHTING FOR SIZE CATEGORIES 1 - 4

		Tonnage
Category 1	63 growers, total tonnage Average/unit 4.67 tons/wk	295
Category 2	36 growers, total tonnage Average/unit 16.6 tons/wk	598
*Category 3	25 growers, total tonnage Average/unit 42.3 tons/wk	1059
*Category 4	19 growers, total tonnage Average/unit 236 tons/wk	4500

The following weighting should be applied to the categories when interpreting the results:

Category 1	1
" 2	2
" 3	3.6
" 4	15.25

* A flaw in the survey form was the non-specification of phase I/II compost. Some adjustments have therefore been made to reduce the weights for categories 3 and 4 where some quantities were given as phase I compost.

TABLE 1 INSECTICIDES (MAIN) CATEGORY 1

	Unspecified	Never	Sometimes	Often	Every Crop	Formulations where given
Diazinon	17	14	5	3	24	WP 3 Gr 24 Liqu 1
Dimilin	7	5	17	8	26	
Sapetron	29	33	0	1	0	Gr Liqu
Femex	28	34	1	0	0	
Malathion	26	27	7	0	3	

TABLE 2 INSECTICIDES (MAIN) CATEGORY 2

	Unspecified	Never	Sometimes	Often	Every Crop	Formulations where given
Diazinon	5	7	6	4	14	WP 0 Gr 23 Liqu 1
Dimilin	3	3	8	8	14	
Sapetron	14	16	6	0	0	Gr 3 Liqu 6
Ferrex	17	19	0	0	0	
Malathion	13	15	6	2	0	

TABLE 3 INSECTICIDES (MAIN) CATEGORY 3

	Unspecified	Never	Sometimes	Often	Every Crop	Formulations where given
Diazinon	1	9	6	3	6	WP 1 Gr 11 Liqu 1
Dimilin	0	3	10	6	6	
Sapecron	8	17	0	0	0	Gr 1 Liqu 2
Fernex	8	15	2	0	0	
Malathion	7	14	4	0	0	

TABLE 4 INSECTICIDES (MAIN) CATEGORY 4

	Unspecified	Never	Sometimes	Often	Every Crop	Formulations where given
Diazinon	0	10	3	6	0	WP 2 Gr 8 Liqu 3
Dimilin	0	2	10	7	0	
Sapcron	3	15	1	0	0	Gr 0 Liqu 1
Femex	3	16	0	0	0	
Malathion	1	15	3	0	0	

TABLE 5 INSECTICIDES (SUBSIDIARY) CATEGORY 1

	Unspecified	Never	Sometimes	Often	Every Crop
Dichlorvos	22	21	19	0	1
Pynosect	27	27	8	1	0
Turbair Resmethrin Turbair	30	26	6	1	0
Permethrin	28	26	7	2	0
Fumite Lindane Smokes	15	11	28	7	2
Fumite Permethrin Smokes	26	27	9	1	0
Actellifog	29	27	7	0	0
Nicotine Shreds	29	32	2	0	0

TABLE 6 INSECTICIDES (SUBSIDIARY) CATEGORY 2

	Unspecified	Never	Sometimes	Often	Every Crop
Dichlorvos	7	12	13	3	1
Pynosect	13	14	6	2	1
Turbair Resmethrin	12	17	5	2	0
Turbair Permethrin	13	18	4	1	0
Fumite Lindane Smokes	10	9	9	7	1
Fumite Permethrin Smokes	16	13	7	0	0
Actellifog	13	15	5	3	0
Nicotine Shreds	16	19	0	1	0

TABLE 7 INSECTICIDES (SUBSIDIARY) CATEGORY 3

	Unspecified	Never	Sometimes	Often	Every Crop
Dichlorvos	6	11	7	1	0
Pynosect	7	12	2	3	1
Turbair Resmethrin	8	15	1	0	1
Turbair Permethrin	9	14	1	0	1
Fumite Lindane Smokes	4	10	10	1	0
Fumite Permethrin Smokes	6	14	3	2	0
Actellifog	7	14	2	2	0
Nicotine Shreds	7	17	1	0	0

TABLE 8 INSECTICIDES (SUBSIDIARY) CATEGORY 4

	Unspecified	Never	Sometimes	Often	Every Crop
Dichlorvos	1	7	6	2	3
Pynosect	2	12	5	0	0
Turbair Resmethrin	2	14	3	0	0
Turbair Permethrin	1	13	4	1	0
Fumite Lindane Smokes	0	11	7	0	1
Fumite Permethrin Smokes	1	13	4	0	1
Actellifog	1	6	7	3	2
Nicotine Shreds	3	16	0	0	0

TABLE 9 FUNGICIDES CATEGORY 1

	Unspecified	Never	Sometimes	Often	Every Crop
Bavistin	31	31	0	1	0
Benlate	17	13	19	5	9
Bravo 500	30	32	0	1	0
Repulse	31	31	1	0	0
Tripart Faber	31	32	0	0	0
Sporgon	5	5	5	14	34
Hymush	27	24	6	4	2
Hypochlorite	15	14	16	4	14

TABLE 10 FUNGICIDES CATEGORY 2

	Unspecified	Never	Sometimes	Often	Every Crop
Bavistin	17	17	1	1	0
Benlate	8	5	11	5	7
Bravo 500	20	16	0	0	0
Repulse	20	16	0	0	0
Tripart Faber	20	16	0	0	0
Sporgon	2	1	6	5	22
Hymush	16	12	7	0	1
Hypochlorite	8	5	4	5	14

TABLE 11 FUNGICIDES CATEGORY 3

	Unspecified	Never	Sometimes	Often	Every Crop
Bavistin	9	15	1	0	0
Benlate	3	2	16	1	3
Bravo 500	9	16	0	0	0
Repulse	9	16	0	0	0
Tripart Faber	10	15	0	0	0
Sporgon	0	1	6	4	14
Hymush	8	11	5	1	0
Hypochlorite	4	3	5	7	6

TABLE 12 FUNGICIDES CATEGORY 4

	Unspecified	Never	Sometimes	Often	Every Crop
Bavistin	2	15	2	0	0
Benlate	0	3	8	5	3
Bravo 500	1	16	2	0	0
Repulse	2	16	1	0	0
Tripart Faber	2	17	0	0	0
Sporgon	0	1	0	9	9
Hymush	1	12	2	4	0
Hypochlorite	0	1	3	2	13

OTHER PRODUCTS

- Category 1 Two instances of BOC Pestigas were recorded and single records of:
Fumite Dicofol Smoke
Fumite Propoxur Smoke (Carbamate)
Decis (Deltamethrin)
Octave (Prochloraz)
- Category 2 Single instances of:
Pestigas
Ambush (Cypermethrin)
- Category 3 Single instances of:
Carbate (Carbendazim)
Pestigas
Kelthane
- Category 4 3 records of Agarifume Smokes (Permethrin) and one of Pestigas.

HDC Survey of Chemical Usage

Size of Farm: Tons of compost filled

Every week or Every 2 weeks or Every 3 weeks

<u>Product/Chemical</u>	<u>Frequency of use</u>					<u>Formulation</u>	
	Never	Some times	Often	Every crop	No. times per crop		
Diazinon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	{ <input type="checkbox"/> Wettable Powder <input type="checkbox"/> Granules <input type="checkbox"/> Liquid	
Dimilin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Sapecron	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Fernex	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		{ <input type="checkbox"/> Granules <input type="checkbox"/> Liquid	
Malathion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Dichlorvos	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	... { <input type="checkbox"/> Water Miscible <input type="checkbox"/> Fogging	
Pynosect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Turbair Resmethrin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Turbair Permethrin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Fumite Lindane smokes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Fumite Permethrin smokes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Actellifog	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Nicotine shreds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Bavistin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		... { <input type="checkbox"/> Wettable Powder <input type="checkbox"/> Granules <input type="checkbox"/> Liquid
Benlate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Bravo 500	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Repulse	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Tripart Faber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sporgon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Hymush	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Hypochlorite	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Other products		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Mushrooms

FACT SHEET



Survey and Guide to Pesticide Use

The range of chemicals available to the mushroom industry is decreasing, as mushroom production is a minor market for the agrochemical producers.

The HDC recently commissioned a survey of mushroom growers to establish current usage of chemicals and to identify those most important to protect for future use by the industry.

This information will be used by the HDC to co-ordinate its activities in supporting existing or new Specific Off-Label Approvals (SOLAs) for mushrooms.

The list of chemicals on this fact sheet has been compiled from the UK Pesticide Guide and is a comprehensive list to enable the correct and legal choice of pesticides on mushroom farms.

The review of pesticides is a continuous process and chemicals may be added to or removed from the list.

Some chemicals have several brands or products. These are not always all approved for use on mushrooms. This list, therefore, first tabulates the chemical followed by products approved for use on mushrooms.

In all cases, with the exception of those products with off-label recommendations and benomyl which is explained overleaf, this list must be confirmed by reference to the label on the product to be used.

Chemical

diazinon

diflubenzuron

chlorfenvinphos

Products

Basudin 5FG
Basudin 40WP
Darlingtons Diazinon Granules

Dimilin WP

Birlane 24
Birlane Granules
Sapcron 240EC

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