



APPENDIX 9-C

**SUMMARY OF PESTICIDES USED IN SUGARCANE AND
PINEAPPLE OPERATIONS AND SELECTION FOR FURTHER
CONSIDERATION**

**Table 9-C
Summary of Pesticides Used in Sugarcane and Pineapple Operations
and Selection for Further Consideration**

Chemical	Synonyms	Laboratory Analytical Grouping¹	Retained as COPC for Sugar Cane? (Field Areas)²	Retained as COPC for Sugar Cane? (Non-Field areas)²	Retained as COPC for Pineapple? (Field Areas)²	Retained as COPC for Pineapple? (Non-Field areas)²	Notes
Benomyl	Benlate	8321 (Carbamates)	No	Yes	No	Yes	Fungicide used in seed dipping operations.
Diuron	Karmex	8321 (Carbamates)	No	Yes	No	Yes	
Methyl Sulfanilcarbamate	Asulam	8321 (Carbamates)	No	No	No	No	Limited use and not significantly toxic.
Oxamyl	Vydate	8321 (Carbamates)	No	No	No	No	
Propiconazole	Tilt	8321 (Carbamates)	No	Yes	No	Yes	Fungicide used in seed dipping operations.
Dalapon		8151 or 8321 (Chlorinated Herbicides)	No	Yes	No	Yes	
Dicamba		8151 or 8321 (Chlorinated Herbicides)	No	Yes	No	No	
Dichlorophenoxyacetic Acid (2,4 D)	2,4-D	8151 or 8321 (Chlorinated Herbicides)	No	No	No	No	
Dichloropropane, 1,2-		8151 or 8321 (Chlorinated Herbicides)	No	No	No	Yes	
Dichloropropene, 1,3-	Telone	8151 or 8321 (Chlorinated Herbicides)	No	No	No	No	
Picloram	Tordon	8151 or 8321 (Chlorinated Herbicides)	No	No	No	No	Limited use and not significantly toxic.

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Table 9-C (continued)

Chemical	Synonyms	Laboratory Analytical Grouping ¹	Retained as COPC for Sugar Cane? (Field Areas) ²	Retained as COPC for Sugar Cane? (Non-Field areas) ²	Retained as COPC for Pineapple? (Field Areas) ²	Retained as COPC for Pineapple? (Non-Field areas) ²	Notes
Trichlorophenoxyacetic Acid, 2,4,5- (2,4,5 T)	2,4,5-T	8151 or 8321 (Chlorinated Herbicides)	No	Yes	No	No	
Trichloro- Phenoxypropionic Acid, 2,4,5- (2,4,5 Tp)	2,4,5-TP, Silvex	8151 or 8321 (Chlorinated Herbicides)	No	No	No	No	
Arsenic		6010B or 6020 (Heavy Metals)	Yes	Yes	Yes	Yes	Include arsenic for pineapple operations.
Lead		6010B or 6020 (Heavy Metals)	No	Yes	No	Yes	Lead-based pesticides not used in sugarcane field areas.
Mercury	Phenyl-mercuric acetate	7471 (Mercury)	No	Yes	No	No	
Methyl Mercury		7471 (Mercury)	No	Yes	No	No	Investigate only if total Hg contamination identified.
Captafol	Difolatan	8081 or 8270 (Organochlorine Pesticides)	No	No	No	No	
Chlordane (Technical)	Technical Chlordane	8081 or 8270 (Organochlorine Pesticides)	No	No	No	Yes	
Endosulfan		8081 or 8270 (Organochlorine Pesticides)	No	No	Yes	Yes	

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Table 9-C (continued)

Chemical	Synonyms	Laboratory Analytical Grouping¹	Retained as COPC for Sugar Cane? (Field Areas)²	Retained as COPC for Sugar Cane? (Non-Field areas)²	Retained as COPC for Pineapple? (Field Areas)²	Retained as COPC for Pineapple? (Non-Field areas)²	Notes
Heptachlor		8081 or 8270 (Organochlorine Pesticides)	Yes	Yes	Yes	Yes	Only used in fields with drip irrigation between 1979 & 1985. Cancelled in 1988.
Heptachlor Epoxide		8081 or 8270 (Organochlorine Pesticides)	No	No	Yes	Yes	
Hexachlorocyclohexane, Gamma	Lindane, BHC	8081 or 8270 (Organochlorine Pesticides)	No	No	Yes	Yes	
Trifluralin	Treflan	8081 or 8270 (Organochlorine Pesticides)	No	Yes	No	No	
Chlorpyrifos	Dursban	8141 or 8270 (Organophosphorus Pesticides)	No	No	No	No	Limited use in small amounts.
Diazinon		8141 or 8270 (Organophosphorus Pesticides)	No	No	No	No	Limited use in small amounts.
Malathion		8141 or 8270 (Organophosphorus Pesticides)	No	No	No	No	Limited use in small amounts.
Parathion		8141 or 8270 (Organophosphorus Pesticides)	No	No	No	No	Limited use in small amounts.

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Table 9-C (continued)

Chemical	Synonyms	Laboratory Analytical Grouping ¹	Retained as COPC for Sugar Cane? (Field Areas) ²	Retained as COPC for Sugar Cane? (Non-Field areas) ²	Retained as COPC for Pineapple? (Field Areas) ²	Retained as COPC for Pineapple? (Non-Field areas) ²	Notes
Ethephon	Ethrel	8270 (SVOCs)	No	No	No	No	
Captan	Ethyl Mercapton	8270 (SVOCs)	No	No	No	No	
Dichlorophenol, 2,4-		8270 (SVOCs)	No	No	No	No	
Tetrachlorophenol, 2,3,4,6-		8270 (SVOCs)	No	Yes	No	Yes	
Pentachlorophenol		8270 or 8151 (SVOCs or Chlorinated Herbicides)	No	Yes	No	Yes	
Ametryn	Evik	8141 or 8270 (Triazine Pesticides)	No	Yes	No	Yes	
Atrazine	Astrex	8141 or 8270 (Triazine Pesticides)	No	Yes	No	Yes	
Hexazinone	Velpar	8141 or 8270 (Triazine Pesticides)	No	No	No	No	Limited use in small quantities
Metribuzin		8141 or 8270 (Triazine Pesticides)	No	No	No	No	Limited use in small quantities
Simazine		8141 or 8270 (Triazine Pesticides)	No	Yes	No	Yes	
Bromodichloromethane		8260 (VOCs)	No	No	No	No	
Bromomethane	Methyl Bromide	8260 (VOCs)	No	No	No	No	
Dibromo-3-Chloropropane,	DBCP	8260 (VOCs)	No	No	No	Yes	
Dibromochloromethane		8260 (VOCs)	No	No	No	Yes	
Dibromoethane, 1,2-	EDB	8260 (VOCs)	No	No	No	Yes	
Trichloropropene, 1,2,3-	TCP	8260 (VOCs)	No	No	No	Yes	

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Table 9-C (continued)

Chemical	Synonyms	Laboratory Analytical Grouping¹	Retained as COPC for Sugar Cane? (Field Areas)²	Retained as COPC for Sugar Cane? (Non-Field areas)²	Retained as COPC for Pineapple? (Field Areas)²	Retained as COPC for Pineapple? (Non-Field areas)²	Notes
Dioxins/Furans		8280/8290 (Dioxins/furans)	No	Yes	No	Yes	
Glyphosate	Roundup, Rodeo, Polado	547	No	No	No	No	
Terbacil	Sinbar	633 (Organonitrogen Pesticides)	No	No	No	No	Limited use and toxicity.

Notes:

- 1 Laboratory analytical method used to categorize pesticides may not match actual pesticide chemical category.
- 2 Retained as chemical of potential concern (COPC) if: any of the following:
 - Known past use.
 - Commercial lab method available.
 - Toxicity factors & physiochemical constants available.
 - Non-field areas are moderately or highly persistent or field areas are highly persistent (see text for details).