Appendix K. Chemical Names, Structures, and Maximum Reported Amounts of Propyzamide and its Degradates.

Table K.1. Maximum Reported Amounts of Propyzamide Degradation Products.			
Degradate	**Maximum % of Applied**	**Study Type**	**MRID**
RH-24644 (M1)	3.75 (14 d, pH 7) 3.22 (1 d) 2.02 (28 d) **31.9** (21 d) **26.6** (12 mo) **12.8** (60 d) 4.54 (63 d) **17.7** (123 d) 6.9 (105 d) **0.168 ppm** (60 d)	Hydrolysis Aqueous photolysis Soil photolysis Aerobic soil metabolism Aerobic soil metabolism Anaerobic soil metabolism Anaerobic soil metabolism Anaerobic aquatic metabolism Aerobic aquatic metabolism Terrestrial field dissipation[1]	MRID 00107980 MRID 40420301 MRID 41913504 MRID 46413407 MRID 41568901 MRID 41913505 Acc. No. 263649 MRID 46413408 MRID 46427901 MRID 44078601
RH-24655 (M2, UK 2)	2.3 (123 d) **27.3** (105 d)	Anaerobic aquatic metabolism Aerobic aquatic metabolism	MRID 46413408 MRID 46427901
RH-20839 (M3)	1.7 (30 d) 3.9 (76 d) 6.3 (123 d)	Aqueous photolysis Aerobic soil metabolism Anaerobic aquatic metabolism	MRID 40420301 MRID 46413407 MRID 46413408
RH-24580 (M4)	3.10 (28 d, pH 5) 1.40 (14 d) **12.6** (28 d) **24.0** (45 d) **14.0** (12 mo) **32.2** (30 d) 2.9 (123 d) 2.3 (105 d) **0.178 ppm** (29 d)	Hydrolysis Aqueous photolysis Soil photolysis Aerobic soil metabolism Aerobic soil metabolism Anaerobic soil metabolism Anaerobic aquatic metabolism Aerobic aquatic metabolism Terrestrial field dissipation[1]	MRID 00107980 MRID 40420301 MRID 41913504 MRID 46413407 MRID 41568901 Acc. No. 263649 MRID 46413408 MRID 46427901 MRID 44078601
M5	0.1 (14-56 d)	Anaerobic aquatic metabolism	MRID 46413408
M6	0.2 (123 d)	Anaerobic aquatic metabolism	MRID 46413408
M8	2.9 (123 d)	Anaerobic aquatic metabolism	MRID 46413408
RH-26521 (M9)	4.2 (9 mo) 0.1 (56 d) 1.9 (105 d)	Aerobic soil metabolism Anaerobic aquatic metabolism Aerobic aquatic metabolism	MRID 41568901 MRID 46413408 MRID 46427901
M10	0.3 (123 d)	Anaerobic aquatic metabolism	MRID 46413408
M11	3.5 (123 d)	Anaerobic aquatic metabolism	MRID 46413408
UK 1	**9.9** (105 d)	Aerobic aquatic metabolism	MRID 46427901
UK 3	7.1 (105 d)	Aerobic aquatic metabolism	MRID 46427901
RH-26059	**15.0** (30 d)	Aqueous photolysis	MRID 40420301
RH-25891	1.34 (28 d, pH 5) 1.88 (30 d) 9.44 (63 d)	Hydrolysis Aqueous photolysis Anaerobic soil metabolism	MRID 00107980 MRID 40420301 Acc. No. 263649

Table K.1. Maximum Reported Amounts of Propyzamide Degradation Products.			
Degradate	**Maximum % of Applied**	**Study Type**	**MRID**
RH-26702	5.16 (14 d) 8.18 (28 d)	Aqueous photolysis Soil photolysis	MRID 40420301 MRID 41913504
RH-24298	3.6 (30 d)	Aqueous photolysis	MRID 40420301
Carbon dioxide	**50.4** (104 d) 0.1 (56-123 d)	Aerobic soil metabolism Anaerobic aquatic metabolism	MRID 46413407 MRID 46413408

[1] The terrestrial field dissipation study initial application was 4 lbs a.i./A. Only two degradates were analyzed for.

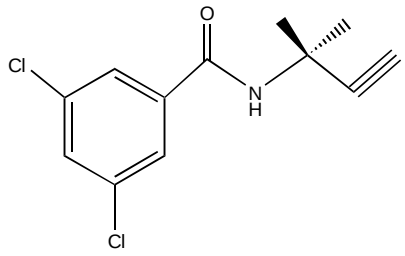
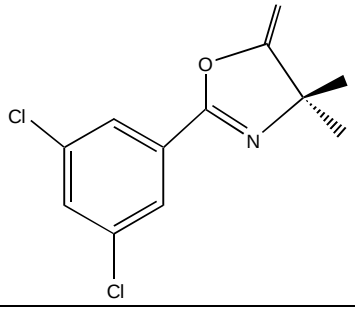
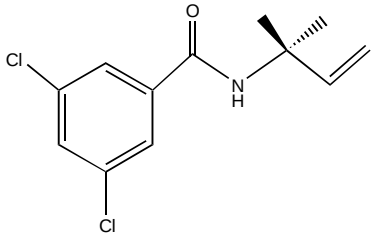
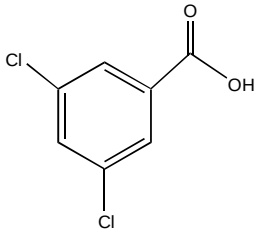
Table K.2. Chemical Names and Structures of Propyzamide and its Degradates.	
Chemical Name	**Structure**
Propyzamide (Pronamide, RH-23315) IUPAC name: 3,5-dichloro-N-(1,1-dimethylprop-2-ynyl)benzamide CAS name: 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)benzamide	
RH-24644 (M1) IUPAC name: 3,5-dichloro-N-(1,1,2-trimethylprop-2-enyl)benzamide CAS name: 2-(3,5-dichlorophenyl)-4,4-dimethyl-5-methylene-2-oxazoline	
RH-24655 (M2, UK 2) IUPAC name: 3,5-dichloro-N-(1,1-dimethylpropenyl)benzamide CAS name: 3,5-dichloro-N-(1,1-dimethyl-2-propenyl)benzamide	
RH-20839 (M3) IUPAC, CAS name: 3,5-dichlorobenzoic acid	

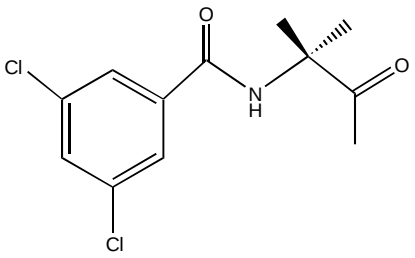
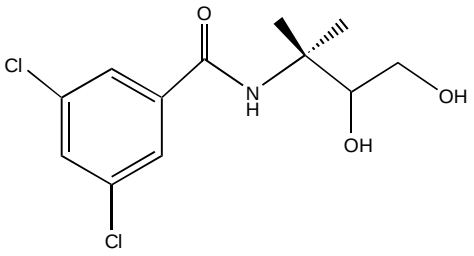
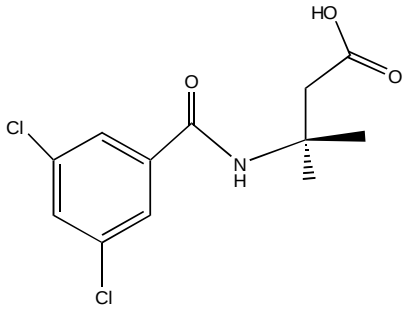
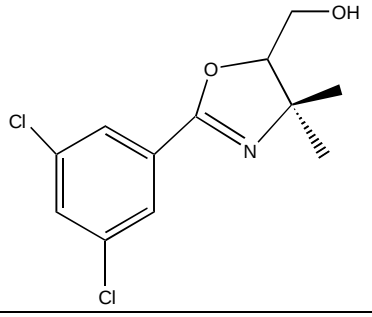
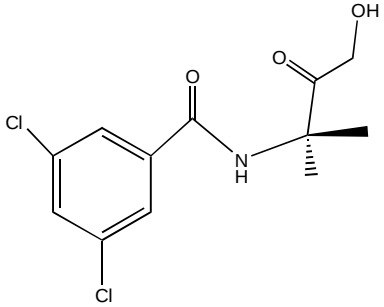
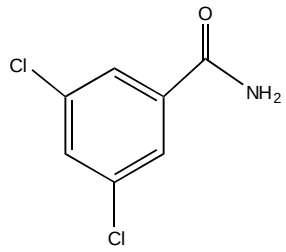
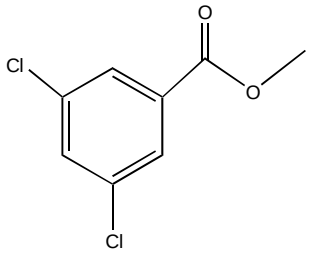
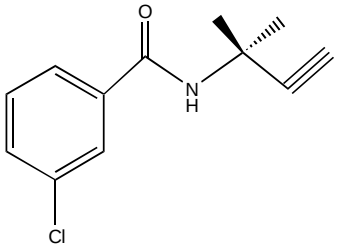
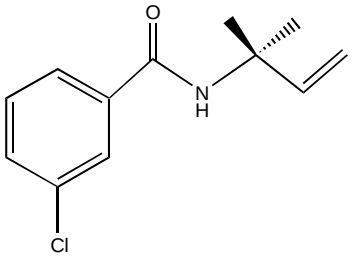
Table K.2. Chemical Names and Structures of Propyzamide and its Degradates.	
Chemical Name	**Structure**
RH-24580 (M4) IUPAC name: 3,5-dichloro-N-(1,1-dimethyl-2-oxopropyl)benzamide CAS name: N-(1,1-dimethylacetonyl)-3,5-dichlorobenzamide	
RH-26521 (M9) IUPAC name: 3,5-dichloro-N-(2-hydroxy-1,1-dimethylpropyl) benzamide CAS name: N-(1,1-dimethyl-2,3-dihydroxypropyl)-3,5-dichlorobenzamide	
RH-26059 IUPAC name: 3-[(3,5-dichlorobenzoyl)amino]-3-methylbutanoic acid CAS name: β-(3,5-dichlorobenzamino-β-methyl-butyric acid	
RH-25891 IUPAC name: 3,5-dichloro-N-(1,1,2-trimethylpropyl)benzamide CAS name: 2-(3,5-dichlorophenyl)-4,4-dimethyl-S-hydroxymethyloxazoline	
RH-26702 IUPAC name: 3,5-dichloro-N-(1,1-dimethyl-2-oxopropyl)benzamide CAS name: N-(1,1-dimethyl-3-hydroxacetonyl)-3,5-dichlorobenzamide	

Table K.2. Chemical Names and Structures of Propyzamide and its Degradates.	
Chemical Name	**Structure**
RH-24298 IUPAC, CAS name: 3,5-dichlorobenzamide	
MDCB CAS name: methyl 3,5-dichlorobenzoate	
UK 1 IUPAC name: 3-chloro-N-(1,1-dimethylpropynyl)benzamide	
UK 3 IUPAC name: 3-chloro-N-(1,1-dimethylpropenyl)benzamide	
Carbon dioxide