

Terrestrial Plant EECs and Acute Endangered RQs
(8/8/01; version 1.0)

Chemical: aldicarb

Use:
Cotton

Input Values		Estimated Environmental Concentrations (EECs) for NON-GRANULAR formulation applications (lbs a.i./acre)				Risk Quotients (RQs) for NON-GRANULAR formulation applications					
Application Rate (lb a.i./acre)	3.15	Application Method	Total Loading to Adjacent Areas (EEC = Sheet Runoff + Drift)	Total Loading to Semi-aquatic Areas (EEC = (Channelized Runoff + Drift))	DRIFT EEC (for ground: application rate x 0.01) (for aerial: application rate x 0.05)	Emergence RQs, Adjacent Areas RQ = EEC/Seedling Emergence EC05 or NOAEC	Emergence RQs, Semi-aquatic areas = EEC/Seedling Emergence EC05 or NOAEC		Drift RQs RQ = EEC/Vegetative Vigor EC05 or NOAEC		
Runoff Value (0.01, 0.02, or 0.05 if chemical solubility <10, 10-100, or >100 ppm, respectively)	0.05					Monocot	Dicot	Monocot	Dicot	Monocot	Dicot
Minimum Incorporation Depth (inches)	3	Ground Unincorp.	0.1890	1.6065	0.0315	0.09	#DIV/0!	0.78	#DIV/0!	#DIV/0!	#DIV/0!
Seed Emerg Monocot EC05 or NOAEC (lb a.i./acre)	2.05	Ground Incorp	0.0840	0.5565	0.0315	0.04	#DIV/0!	0.27	#DIV/0!	#DIV/0!	#DIV/0!
Seed Emerg Dicot EC05 or NOAEC (lb a.i./acre)		Aerial, Airblast, Spray Chemigation	0.2520	1.1025	0.1575	0.12	#DIV/0!	0.54	#DIV/0!	#DIV/0!	#DIV/0!
Veg Vigor Monocot EC05 or NOAEC (lbs a.i./acre)		EECs for GRANULAR formulation applications (lbs a.i./acre)				RQs for GRANULAR formulation applications					
Veg Vigor Dicot EC05 or NOAEC (lb a.i./acre)		Application Method	Total Loading to Adjacent Area (EEC = Sheet Runoff)	Total Loading to Semi-aquatic Areas (EEC = (Channelized Runoff))		Emergence RQs, Adjacent Areas, RQ = EEC/Seedling Emerg. EC05 or NOAEC	Emergence RQs, Semi-aquatic Areas, RQ = EEC/Seedling Emergence EC05 or NOAEC				
						Monocot	Dicot	Monocot	Dicot		
		Unincorp.	0.1575	1.5750		0.08	#DIV/0!	0.77	#DIV/0!		
		Incorp.	0.0525	0.5250		0.03	#DIV/0!	0.26	#DIV/0!		

Terrestrial Plant EECs and Acute Endangered RQs
(8/8/01; version 1.0)

Chemical: aldicarb

Use: dry
bean

Input Values		Estimated Environmental Concentrations (EECs) for NON-GRANULAR formulation applications (lbs a.i./acre)				Risk Quotients (RQs) for NON-GRANULAR formulation applications					
Application Rate (lb a.i./acre)	7	Application Method	Total Loading to Adjacent Areas (EEC = Sheet Runoff + Drift)	Total Loading to Semi-aquatic Areas (EEC = (Channelized Runoff + Drift))	DRIFT EEC (for ground: application rate x 0.01) (for aerial: application rate x 0.05)	Emergence RQs, Adjacent Areas RQ = EEC/Seedling Emergence EC05 or NOAEC	Emergence RQs, Semi-aquatic areas = EEC/Seedling Emergence EC05 or NOAEC		Drift RQs RQ = EEC/Vegetative Vigor EC05 or NOAEC		
Runoff Value (0.01, 0.02, or 0.05 if chemical solubility <10, 10-100, or >100 ppm, respectively)	0.05					Monocot	Dicot	Monocot	Dicot	Monocot	Dicot
Minimum Incorporation Depth (inches)	3	Ground Unincorp.	0.4200	3.5700	0.0700	0.20	#DIV/0!	1.74	#DIV/0!	#DIV/0!	#DIV/0!
Seed Emerg Monocot EC05 or NOAEC (lb a.i./acre)	2.05	Ground Incorp	0.1867	1.2367	0.0700	0.09	#DIV/0!	0.60	#DIV/0!	#DIV/0!	#DIV/0!
Seed Emerg Dicot EC05 or NOAEC (lb a.i./acre)		Aerial, Airblast, Spray Chemigation	0.5600	2.4500	0.3500	0.27	#DIV/0!	1.20	#DIV/0!	#DIV/0!	#DIV/0!
Veg Vigor Monocot EC05 or NOAEC (lbs a.i./acre)		EECs for GRANULAR formulation applications (lbs a.i./acre)				RQs for GRANULAR formulation applications					
Veg Vigor Dicot EC05 or NOAEC (lb a.i./acre)		Application Method	Total Loading to Adjacent Area (EEC = Sheet Runoff)	Total Loading to Semi-aquatic Areas (EEC = (Channelized Runoff))		Emergence RQs, Adjacent Areas, RQ = EEC/Seedling Emerg. EC05 or NOAEC	Emergence RQs, Semi-aquatic Areas, RQ = EEC/Seedling Emergence EC05 or NOAEC				
						Monocot	Dicot	Monocot	Dicot		
		Unincorp.	0.3500	3.5000		0.17	#DIV/0!	1.71	#DIV/0!		
		Incorp.	0.1167	1.1667		0.06	#DIV/0!	0.57	#DIV/0!		

Terrestrial Plant EECs and Acute Endangered RQs
(8/8/01; version 1.0)

Chemical: aldicarb

Use:
peanuts

Input Values		Estimated Environmental Concentrations (EECs) for NON-GRANULAR formulation applications (lbs a.i./acre)				Risk Quotients (RQs) for NON-GRANULAR formulation applications					
Application Rate (lb a.i./acre)	1.05	Application Method	Total Loading to Adjacent Areas (EEC = Sheet Runoff + Drift)	Total Loading to Semi-aquatic Areas (EEC = (Channelized Runoff + Drift))	DRIFT EEC (for ground: application rate x 0.01) (for aerial: application rate x 0.05)	Emergence RQs, Adjacent Areas RQ = EEC/Seedling Emergence EC05 or NOAEC		Emergence RQs, Semi-aquatic areas RQ = EEC/Seedling Emergence EC05 or NOAEC		Drift RQs RQ = EEC/Vegetative Vigor EC05 or NOAEC	
Runoff Value (0.01, 0.02, or 0.05 if chemical solubility <10, 10-100, or >100 ppm, respectively)	0.05										
Minimum Incorporation Depth (inches)	3					Monocot	Dicot	Monocot	Dicot	Monocot	Dicot
Seed Emerg Monocot EC05 or NOAEC (lb a.i./acre)	2.05	Ground Unincorp.	0.0630	0.5355	0.0105	0.03	#DIV/0!	0.26	#DIV/0!	#DIV/0!	#DIV/0!
Seed Emerg Dicot EC05 or NOAEC (lb a.i./acre)		Ground Incorp	0.0280	0.1855	0.0105	0.01	#DIV/0!	0.09	#DIV/0!	#DIV/0!	#DIV/0!
Veg Vigor Monocot EC05 or NOAEC (lbs a.i./acre)		Aerial, Airblast, Spray Chemigation	0.0840	0.3675	0.0525	0.04	#DIV/0!	0.18	#DIV/0!	#DIV/0!	#DIV/0!
Veg Vigor Dicot EC05 or NOAEC (lb a.i./acre)											

EECs for GRANULAR formulation applications (lbs a.i./acre)			RQs for GRANULAR formulation applications			
Application Method	Total Loading to Adjacent Area (EEC = Sheet Runoff)	Total Loading to Semi-aquatic Areas (EEC = (Channelized Runoff))	Emergence RQs, Adjacent Areas, RQ = EEC/Seedling Emerg. EC05 or NOAEC		Emergence RQs, Semi-aquatic Areas, RQ = EEC/Seedling Emergence EC05 or NOAEC	
			Monocot	Dicot	Monocot	Dicot
Unincorp.	0.0525	0.5250	0.03	#DIV/0!	0.26	#DIV/0!
Incorp.	0.0175	0.1750	0.01	#DIV/0!	0.09	#DIV/0!

Terrestrial Plant EECs and Acute Endangered RQs
(8/8/01; version 1.0)

Chemical: aldicarb

Use:
pecans

Input Values		Estimated Environmental Concentrations (EECs) for NON-GRANULAR formulation applications (lbs a.i./acre)				Risk Quotients (RQs) for NON-GRANULAR formulation applications					
Application Rate (lb a.i./acre)	4.95	Application Method	Total Loading to Adjacent Areas (EEC = Sheet Runoff + Drift)	Total Loading to Semi-aquatic Areas (EEC = (Channelized Runoff + Drift))	DRIFT EEC (for ground: application rate x 0.01) (for aerial: application rate x 0.05)	Emergence RQs, Adjacent Areas RQ = EEC/Seedling Emergence EC05 or NOAEC		Emergence RQs, Semi-aquatic areas RQ = EEC/Seedling Emergence EC05 or NOAEC		Drift RQs RQ = EEC/Vegetative Vigor EC05 or NOAEC	
Runoff Value (0.01, 0.02, or 0.05 if chemical solubility <10, 10-100, or >100 ppm, respectively)	0.05										
Minimum Incorporation Depth (inches)	3					Monocot	Dicot	Monocot	Dicot	Monocot	Dicot
Seed Emerg Monocot EC05 or NOAEC (lb a.i./acre)	2.05	Ground Unincorp.	0.2970	2.5245	0.0495	0.14	#DIV/0!	1.23	#DIV/0!	#DIV/0!	#DIV/0!
Seed Emerg Dicot EC05 or NOAEC (lb a.i./acre)		Ground Incorp	0.1320	0.8745	0.0495	0.06	#DIV/0!	0.43	#DIV/0!	#DIV/0!	#DIV/0!
Veg Vigor Monocot EC05 or NOAEC (lbs a.i./acre)		Aerial, Airblast, Spray Chemigation	0.3960	1.7325	0.2475	0.19	#DIV/0!	0.85	#DIV/0!	#DIV/0!	#DIV/0!
Veg Vigor Dicot EC05 or NOAEC (lb a.i./acre)											

EECs for GRANULAR formulation applications (lbs a.i./acre)			RQs for GRANULAR formulation applications			
Application Method	Total Loading to Adjacent Area (EEC = Sheet Runoff)	Total Loading to Semi-aquatic Areas (EEC = (Channelized Runoff))	Emergence RQs, Adjacent Areas, RQ = EEC/Seedling Emerg. EC05 or NOAEC		Emergence RQs, Semi-aquatic Areas, RQ = EEC/Seedling Emergence EC05 or NOAEC	
			Monocot	Dicot	Monocot	Dicot
Unincorp.	0.2475	2.4750	0.12	#DIV/0!	1.21	#DIV/0!
Incorp.	0.0825	0.8250	0.04	#DIV/0!	0.40	#DIV/0!

**Terrestrial Plant EECs and Acute Endangered RQs
(8/8/01; version 1.0)**

Chemical: aldicarb

Use:
sorghum

Input Values		Estimated Environmental Concentrations (EECs) for NON-GRANULAR formulation applications (lbs a.i./acre)				Risk Quotients (RQs) for NON-GRANULAR formulation applications					
Application Rate (lb a.i./acre)	1.05	Application Method	Total Loading to Adjacent Areas (EEC = Sheet Runoff + Drift)	Total Loading to Semi-aquatic Areas (EEC = (Channelized Runoff + Drift))	DRIFT EEC (for ground: application rate x 0.01) (for aerial: application rate x 0.05)	Emergence RQs, Adjacent Areas RQ = EEC/Seedling Emergence EC05 or NOAEC		Emergence RQs, Semi-aquatic areas RQ = EEC/Seedling Emergence EC05 or NOAEC		Drift RQs RQ = EEC/Vegetative Vigor EC05 or NOAEC	
Runoff Value (0.01, 0.02, or 0.05 if chemical solubility <10, 10-100, or >100 ppm, respectively)	0.05										
Minimum Incorporation Depth (inches)	3					Monocot	Dicot	Monocot	Dicot	Monocot	Dicot
Seed Emerg Monocot EC05 or NOAEC (lb a.i./acre)	2.05	Ground Unincorp.	0.0630	0.5355	0.0105	0.03	#DIV/0!	0.26	#DIV/0!	#DIV/0!	#DIV/0!
Seed Emerg Dicot EC05 or NOAEC (lb a.i./acre)		Ground Incorp	0.0280	0.1855	0.0105	0.01	#DIV/0!	0.09	#DIV/0!	#DIV/0!	#DIV/0!
Veg Vigor Monocot EC05 or NOAEC (lbs a.i./acre)		Aerial, Airblast, Spray Chemigation	0.0840	0.3675	0.0525	0.04	#DIV/0!	0.18	#DIV/0!	#DIV/0!	#DIV/0!
Veg Vigor Dicot EC05 or NOAEC (lb a.i./acre)											

EECs for GRANULAR formulation applications (lbs a.i./acre)			RQs for GRANULAR formulation applications			
Application Method	Total Loading to Adjacent Area (EEC = Sheet Runoff)	Total Loading to Semi-aquatic Areas (EEC = (Channelized Runoff))	Emergence RQs, Adjacent Areas, RQ = EEC/Seedling Emerg. EC05 or NOAEC		Emergence RQs, Semi-aquatic Areas, RQ = EEC/Seedling Emergence EC05 or NOAEC	
Unincorp.	0.0525	0.5250	Monocot	Dicot	Monocot	Dicot
Incorp.	0.0175	0.1750	0.03	#DIV/0!	0.26	#DIV/0!
			0.01	#DIV/0!	0.09	#DIV/0!

**Terrestrial Plant EECs and Acute Endangered RQs
(8/8/01; version 1.0)**

Chemical: aldicarb

Use:
soybean

Input Values		Estimated Environmental Concentrations (EECs) for NON-GRANULAR formulation applications (lbs a.i./acre)				Risk Quotients (RQs) for NON-GRANULAR formulation applications					
Application Rate (lb a.i./acre)	3	Application Method	Total Loading to Adjacent Areas (EEC = Sheet Runoff + Drift)	Total Loading to Semi-aquatic Areas (EEC = (Channelized Runoff + Drift))	DRIFT EEC (for ground: application rate x 0.01) (for aerial: application rate x 0.05)	Emergence RQs, Adjacent Areas RQ = EEC/Seedling Emergence EC05 or NOAEC		Emergence RQs, Semi-aquatic areas RQ = EEC/Seedling Emergence EC05 or NOAEC		Drift RQs RQ = EEC/Vegetative Vigor EC05 or NOAEC	
Runoff Value (0.01, 0.02, or 0.05 if chemical solubility <10, 10-100, or >100 ppm, respectively)	0.05										
Minimum Incorporation Depth (inches)	3					Monocot	Dicot	Monocot	Dicot	Monocot	Dicot
Seed Emerg Monocot EC05 or NOAEC (lb a.i./acre)	2.05	Ground Unincorp.	0.1800	1.5300	0.0300	0.09	#DIV/0!	0.75	#DIV/0!	#DIV/0!	#DIV/0!
Seed Emerg Dicot EC05 or NOAEC (lb a.i./acre)		Ground Incorp	0.0800	0.5300	0.0300	0.04	#DIV/0!	0.26	#DIV/0!	#DIV/0!	#DIV/0!
Veg Vigor Monocot EC05 or NOAEC (lbs a.i./acre)		Aerial, Airblast, Spray Chemigation	0.2400	1.0500	0.1500	0.12	#DIV/0!	0.51	#DIV/0!	#DIV/0!	#DIV/0!
Veg Vigor Dicot EC05 or NOAEC (lb a.i./acre)											

EECs for GRANULAR formulation applications (lbs a.i./acre)			RQs for GRANULAR formulation applications			
Application Method	Total Loading to Adjacent Area (EEC = Sheet Runoff)	Total Loading to Semi-aquatic Areas (EEC = (Channelized Runoff))	Emergence RQs, Adjacent Areas, RQ = EEC/Seedling Emerg. EC05 or NOAEC		Emergence RQs, Semi-aquatic Areas, RQ = EEC/Seedling Emergence EC05 or NOAEC	
Unincorp.	0.1500	1.5000	Monocot	Dicot	Monocot	Dicot
Incorp.	0.0500	0.5000	0.07	#DIV/0!	0.73	#DIV/0!
			0.02	#DIV/0!	0.24	#DIV/0!

Terrestrial Plant EECs and Acute Endangered RQs
(8/8/01; version 1.0)

Chemical: aldicarb

Use:
sugarbeet

Input Values		Estimated Environmental Concentrations (EECs) for NON-GRANULAR formulation applications (lbs a.i./acre)				Risk Quotients (RQs) for NON-GRANULAR formulation applications					
Application Rate (lb a.i./acre)	28	Application Method	Total Loading to Adjacent Areas (EEC = Sheet Runoff + Drift)	Total Loading to Semi-aquatic Areas (EEC = (Channelized Runoff + Drift))	DRIFT EEC (for ground: application rate x 0.01) (for aerial: application rate x 0.05)	Emergence RQs, Adjacent Areas RQ = EEC/Seedling Emergence EC05 or NOAEC	Emergence RQs, Semi-aquatic areas = EEC/Seedling Emergence EC05 or NOAEC		RQ		Drift RQs RQ = EEC/Vegetative Vigor EC05 or NOAEC
Runoff Value (0.01, 0.02, or 0.05 if chemical solubility <10, 10-100, or >100 ppm, respectively)	0.05					Monocot	Dicot	Monocot	Dicot	Monocot	Dicot
Minimum Incorporation Depth (inches)	3	Ground Unincorp.	1.6800	14.2800	0.2800	0.82	#DIV/0!	6.97	#DIV/0!	#DIV/0!	#DIV/0!
Seed Emerg Monocot EC05 or NOAEC (lb a.i./acre)	2.05	Ground Incorp	0.7467	4.9467	0.2800	0.36	#DIV/0!	2.41	#DIV/0!	#DIV/0!	#DIV/0!
Seed Emerg Dicot EC05 or NOAEC (lb a.i./acre)		Aerial, Airblast, Spray Chemigation	2.2400	9.8000	1.4000	1.09	#DIV/0!	4.78	#DIV/0!	#DIV/0!	#DIV/0!
Veg Vigor Monocot EC05 or NOAEC (lbs a.i./acre)											
Veg Vigor Dicot EC05 or NOAEC (lb a.i./acre)											

EECs for GRANULAR formulation applications (lbs a.i./acre)			RQs for GRANULAR formulation applications			
Application Method	Total Loading to Adjacent Area (EEC = Sheet Runoff)	Total Loading to Semi-aquatic Areas (EEC = (Channelized Runoff))	Emergence RQs, Adjacent Areas, RQ = EEC/Seedling Emerg. EC05 or NOAEC	Emergence RQs, Semi-aquatic Areas, RQ = EEC/Seedling Emergence EC05 or NOAEC		
			Monocot	Dicot	Monocot	Dicot
Unincorp.	1.4000	14.0000	0.68	#DIV/0!	6.83	#DIV/0!
Incorp.	0.4667	4.6667	0.23	#DIV/0!	2.28	#DIV/0!

Terrestrial Plant EECs and Acute Endangered RQs
(8/8/01; version 1.0)

Chemical: aldicarb

Use: sweet
potato

Input Values		Estimated Environmental Concentrations (EECs) for NON-GRANULAR formulation applications (lbs a.i./acre)				Risk Quotients (RQs) for NON-GRANULAR formulation applications					
Application Rate (lb a.i./acre)	2.1	Application Method	Total Loading to Adjacent Areas (EEC = Sheet Runoff + Drift)	Total Loading to Semi-aquatic Areas (EEC = (Channelized Runoff + Drift))	DRIFT EEC (for ground: application rate x 0.01) (for aerial: application rate x 0.05)	Emergence RQs, Adjacent Areas RQ = EEC/Seedling Emergence EC05 or NOAEC	Emergence RQs, Semi-aquatic areas = EEC/Seedling Emergence EC05 or NOAEC		RQ		Drift RQs RQ = EEC/Vegetative Vigor EC05 or NOAEC
Runoff Value (0.01, 0.02, or 0.05 if chemical solubility <10, 10-100, or >100 ppm, respectively)	0.05					Monocot	Dicot	Monocot	Dicot	Monocot	Dicot
Minimum Incorporation Depth (inches)	3	Ground Unincorp.	0.1260	1.0710	0.0210	0.06	#DIV/0!	0.52	#DIV/0!	#DIV/0!	#DIV/0!
Seed Emerg Monocot EC05 or NOAEC (lb a.i./acre)	2.05	Ground Incorp	0.0560	0.3710	0.0210	0.03	#DIV/0!	0.18	#DIV/0!	#DIV/0!	#DIV/0!
Seed Emerg Dicot EC05 or NOAEC (lb a.i./acre)		Aerial, Airblast, Spray Chemigation	0.1680	0.7350	0.1050	0.08	#DIV/0!	0.36	#DIV/0!	#DIV/0!	#DIV/0!
Veg Vigor Monocot EC05 or NOAEC (lbs a.i./acre)											
Veg Vigor Dicot EC05 or NOAEC (lb a.i./acre)											

EECs for GRANULAR formulation applications (lbs a.i./acre)			RQs for GRANULAR formulation applications			
Application Method	Total Loading to Adjacent Area (EEC = Sheet Runoff)	Total Loading to Semi-aquatic Areas (EEC = (Channelized Runoff))	Emergence RQs, Adjacent Areas, RQ = EEC/Seedling Emerg. EC05 or NOAEC	Emergence RQs, Semi-aquatic Areas, RQ = EEC/Seedling Emergence EC05 or NOAEC		
			Monocot	Dicot	Monocot	Dicot
Unincorp.	0.1050	1.0500	0.05	#DIV/0!	0.51	#DIV/0!
Incorp.	0.0350	0.3500	0.02	#DIV/0!	0.17	#DIV/0!

Terrestrial Plant EECs and Acute Endangered RQs
(8/8/01; version 1.0)

Chemical: aldicarb

Use: Citrus

Input Values		Estimated Environmental Concentrations (EECs) for NON-GRANULAR formulation applications (lbs a.i./acre)				Risk Quotients (RQs) for NON-GRANULAR formulation applications					
Application Rate (lb a.i./acre)	4.95	Application Method	Total Loading to Adjacent Areas (EEC = Sheet Runoff + Drift)	Total Loading to Semi-aquatic Areas (EEC = (Channelized Runoff + Drift)	DRIFT EEC (for ground: application rate x 0.01) (for aerial: application rate x 0.05)	Emergence RQs, Adjacent Areas RQ = EEC/Seedling Emergence EC05 or NOAEC		Emergence RQs, Semi-aquatic areas RQ = EEC/Seedling Emergence EC05 or NOAEC		Drift RQs RQ = EEC/Vegetative Vigor EC05 or NOAEC	
Runoff Value (0.01, 0.02, or 0.05 if chemical solubility <10, 10-100, or >100 ppm, respectively)	0.05					Monocot	Dicot	Monocot	Dicot	Monocot	Dicot
Minimum Incorporation Depth (inches)	3										
Seed Emerg Monocot EC05 or NOAEC (lb a.i./acre)	2.05										
Seed Emerg Dicot EC05 or NOAEC (lb a.i./acre)		Ground Unincorp.	0.2970	2.5245	0.0495	0.14	#DIV/0!	1.23	#DIV/0!	#DIV/0!	#DIV/0!
Veg Vigor Monocot EC05 or NOAEC (lb a.i./acre)		Ground Incorp	0.1320	0.8745	0.0495	0.06	#DIV/0!	0.43	#DIV/0!	#DIV/0!	#DIV/0!
Veg Vigor Dicot EC05 or NOAEC (lb a.i./acre)		Aerial, Airblast, Spray Chemigation	0.3960	1.7325	0.2475	0.19	#DIV/0!	0.85	#DIV/0!	#DIV/0!	#DIV/0!

EECs for GRANULAR formulation applications (lbs a.i./acre)			RQs for GRANULAR formulation applications			
Application Method	Total Loading to Adjacent Area (EEC = Sheet Runoff)	Total Loading to Semi-aquatic Areas (EEC = (Channelized Runoff)	Emergence RQs, Adjacent Areas, RQ = EEC/Seedling Emerg. EC05 or NOAEC		Emergence RQs, Semi-aquatic Areas, RQ = EEC/Seedling Emergence EC05 or NOAEC	
			Monocot	Dicot	Monocot	Dicot
Unincorp.	0.2475	2.4750	0.12	#DIV/0!	1.21	#DIV/0!
Incorp.	0.0825	0.8250	0.04	#DIV/0!	0.40	#DIV/0!