Appendix A: Aldicarb Red Legged Frog T-REX Outputs

TREX MODEL INPUTS

These values will be used in the calculation of exposure estimates for foliar, granular, liquid and/or seed applications of pesticides.

Chemical Name:	Aldicarb
Use:	Cotton
Product name and form:	Temik
% A.I. (leading zero must be entered for formulations <1% a.i.):	15.00%
Application Rate (lbs/A):	14
Half-life (days):	
Application Interval (days):	
Number of Applications:	1

Note: Sources of wildlife diet are assumed to be available for less than one year for this model.

Endpoints

Avian

		Indicate test species below	Optional Test Organism Body weight (g)	Optional Test Species Name
LD50 (mg/kg-bw)	1.00	Mallard duck		
LC50 (mg/kg-diet)		Bobwhite quail		
NOAEL (mg/kg-bw)	0.11	Mallard duck		
NOAEC (mg/kg-diet)		Bobwhite quail		
Enter the Mineau et al. Scaling Factor	1.15			

Mammals

LD50 (mg/kg-bw)	0.90	
LC50 (mg/kg-diet)		
Reported Chronic Endpoint	0.40	mg/kg-bw
Is dietary concentration (mg/kg-diet) reported from the available chronic mammal study? (yes or no)	no	
Estimated Chronic Diet Concentration Equivalent to Reported Chronic Daily Dose	8	mg/kg-diet based on standard FDA lab rat conversion

LD50 ft-2

Application Type: Rows/Band/In-furrow / Granular

Enter data below:	
Do not use this input	
Row spacing (in):	40.00
Bandwidth (in):	3.95
% incorporated:	99.00%

TREX MODEL INPUTS Page 2 Aldicarb

Chemical: Aldicarb

LD50 ft-2

INPUTS	Do not overwrite these numbers.	
Application Rate:	14	lbs / acre
% A.I.:	15.00%	
Avian LD50 (20g):	0.52	mg/kg bw
(100g)	0.66	
(1000g)	0.93	
Mammalian LD50 (15g):	1.98	mg/kg bw
(35g)	1.60	
(1000g)	0.69	
Row Spacing:	40	inches
Bandwidth:	3.95	inches
Unincorporation:	1%	

Changes to the inputs must be made in the "INPUTS" worksheet.

Row/Band/In-furrow applications

Granular

Intermediate Calculations	
# rows acre-1:	62.61
row length (ft):	208.71
lb ai/1000 ft row:	1.07
bandwidth (ft):	0.33
mg ai/ft2:	221.44
exposed mg ai/ft2:	2.21

LD50 ft-2

	wgt class	
Avian	20 g	213.24
	100 g	33.50
	1000 g	2.37
Mammal	15 g	74.63
	35 g	39.53
	1000 g	3.20

Liquid

Intermediate Calculations	
mg a.i./1000 ft row:	N/A
bandwidth:	N/A
mg a.i./ft2:	N/A
exposed mg a.i./ft2:	N/A

LD50 ft-2

	wgt class	
Avian	20 g	N/A
	100 g	N/A
	1000 g	N/A
Mammal	15 g	N/A
	35 g	N/A
	1000 g	N/A

Appendix A: Aldicarb Red Legged Frog T-REX Outputs

TREX MODEL INPUTS

These values will be used in the calculation of exposure estimates for foliar, granular, liquid and/or seed applications of pesticides.

Chemical Name:	Aldicarb
Use:	Cotton
Product name and form:	Temik
% A.I. (leading zero must be entered for formulations <1% a.i.):	15.00%
Application Rate (lbs/A):	7
Half-life (days):	
Application Interval (days):	30
Number of Applications:	3

Note: Sources of wildlife diet are assumed to be available for less than one year for this model.

Endpoints

Avian

		Indicate test species below	Optional Test Organism Body weight (g)	Optional Test Species Name
LD50 (mg/kg-bw)	1.00	Mallard duck		
LC50 (mg/kg-diet)		Bobwhite quail		
NOAEL (mg/kg-bw)	0.11	Mallard duck		
NOAEC (mg/kg-diet)		Bobwhite quail		
Enter the Mineau et al. Scaling Factor	1.15			

Mammals

LD50 (mg/kg-bw)	0.90	
LC50 (mg/kg-diet)		
Reported Chronic Endpoint	0.40	mg/kg-bw
Is dietary concentration (mg/kg-diet) reported from the available chronic mammal study? (yes or no)	no	
Estimated Chronic Diet Concentration Equivalent to Reported Chronic Daily Dose	8	mg/kg-diet based on standard FDA lab rat conversion

LD50 ft-2

Application Type:	Rows/Band/In-furrow / Granular
Enter data below:	
Do not use this input	
Row spacing (in):	40.00
Bandwidth (in):	3.95
% incorporated:	85.00%

TREX MODEL INPUTS Page 2 Aldicarb

Chemical: Aldicarb

LD50 ft-2

INPUTS	Do not overwrite these numbers.	
Application Rate:	7	lbs / acre
% A.I.:	15.00%	
Avian LD50 (20g):	0.52	mg/kg bw
(100g)	0.66	
(1000g)	0.93	
Mammalian LD50 (15g):	1.98	mg/kg bw
(35g)	1.60	
(1000g)	0.69	
Row Spacing:	40	inches
Bandwidth:	3.95	inches
Unincorporation:	15%	

Changes to the inputs must be made in the "INPUTS" worksheet.

Row/Band/In-furrow applications

Granular

Intermediate Calculations	
# rows acre-1:	62.61
row length (ft):	208.71
lb ai/1000 ft row:	0.54
bandwidth (ft):	0.33
mg ai/ft2:	110.72
exposed mg ai/ft2:	16.61

LD50 ft-2

	wgt class	
Avian	20 g	1599.31
	100 g	251.26
	1000 g	17.79
Mammal	15 g	559.75
	35 g	296.49
	1000 g	23.99

Liquid

Intermediate Calculations	
mg a.i./1000 ft row:	N/A
bandwidth:	N/A
mg a.i./ft2:	N/A
exposed mg a.i./ft2:	N/A

LD50 ft-2

	wgt class	
Avian	20 g	N/A
	100 g	N/A
	1000 g	N/A
Mammal	15 g	N/A
	35 g	N/A
	1000 g	N/A

Appendix A: Aldicarb Red Legged Frog T-REX Outputs

TREX MODEL INPUTS

These values will be used in the calculation of exposure estimates for foliar, granular, liquid and/or seed applications of pesticides.

Chemical Name:	Aldicarb
Use:	Dry Beans
Product name and form:	Temik
% A.I. (leading zero must be entered for formulations <1% a.i.):	15.00%
Application Rate (lbs/A):	7
Half-life (days):	
Application Interval (days):	
Number of Applications:	1

Note: Sources of wildlife diet are assumed to be available for less than one year for this model.

Endpoints

Avian

		Indicate test species below	Optional Test Organism Body weight (g)	Optional Test Species Name
LD50 (mg/kg-bw)	1.00	Mallard duck		
LC50 (mg/kg-diet)		Bobwhite quail		
NOAEL (mg/kg-bw)	0.11	Mallard duck		
NOAEC (mg/kg-diet)		Bobwhite quail		
Enter the Mineau et al. Scaling Factor	1.15			

Mammals

LD50 (mg/kg-bw)	0.90	
LC50 (mg/kg-diet)		
Reported Chronic Endpoint	0.40	mg/kg-bw
Is dietary concentration (mg/kg-diet) reported from the available chronic mammal study? (yes or no)	no	
Estimated Chronic Diet Concentration Equivalent to Reported Chronic Daily Dose	8	mg/kg-diet based on standard FDA lab rat conversion

LD50 ft-2

Application Type:	Rows/Band/In-furrow / Granular
Enter data below:	
Do not use this input	
Row spacing (in):	48.00
Bandwidth (in):	6.00
% incorporated:	99.00%

TREX MODEL INPUTS Page 2 Aldicarb

Chemical: Aldicarb

LD50 ft-2

INPUTS	Do not overwrite these numbers.	
Application Rate:	7	lbs / acre
% A.I.:	15.00%	
Avian LD50 (20g):	0.52	mg/kg bw
(100g)	0.66	
(1000g)	0.93	
Mammalian LD50 (15g):	1.98	mg/kg bw
(35g)	1.60	
(1000g)	0.69	
Row Spacing:	48	inches
Bandwidth:	6	inches
Unincorporation:	1%	

Changes to the inputs must be made in the "INPUTS" worksheet.

Row/Band/In-furrow applications

Granular

Intermediate Calculations	
# rows acre-1:	52.18
row length (ft):	208.71
lb ai/1000 ft row:	0.64
bandwidth (ft):	0.50
mg ai/ft2:	87.47
exposed mg ai/ft2:	0.87

LD50 ft-2

	wgt class	
Avian	20 g	84.23
	100 g	13.23
	1000 g	0.94
Mammal	15 g	29.48
	35 g	15.62
	1000 g	1.26

Liquid

Intermediate Calculations	
mg a.i./1000 ft row:	N/A
bandwidth:	N/A
mg a.i./ft2:	N/A
exposed mg a.i./ft2:	N/A

LD50 ft-2

	wgt class	
Avian	20 g	N/A
	100 g	N/A
	1000 g	N/A
Mammal	15 g	N/A
	35 g	N/A
	1000 g	N/A

Appendix A: Aldicarb Red Legged Frog T-REX Outputs

TREX MODEL INPUTS

These values will be used in the calculation of exposure estimates for foliar, granular, liquid and/or seed applications of pesticides.

Chemical Name:	Aldicarb
Use:	Peanuts
Product name and form:	Temik
% A.I. (leading zero must be entered for formulations <1% a.i.):	15.00%
Application Rate (lbs/A):	20
Half-life (days):	
Application Interval (days):	
Number of Applications:	1

Note: Sources of wildlife diet are assumed to be available for less than one year for this model.

Endpoints

Avian

		Indicate test species below	Optional Test Organism Body weight (g)	Optional Test Species Name
LD50 (mg/kg-bw)	1.00	Mallard duck		
LC50 (mg/kg-diet)		Bobwhite quail		
NOAEL (mg/kg-bw)	0.11	Mallard duck		
NOAEC (mg/kg-diet)		Bobwhite quail		
Enter the Mineau et al. Scaling Factor	1.15			

Mammals

LD50 (mg/kg-bw)	0.90	
LC50 (mg/kg-diet)		
Reported Chronic Endpoint	0.40	mg/kg-bw
Is dietary concentration (mg/kg-diet) reported from the available chronic mammal study? (yes or no)	no	
Estimated Chronic Diet Concentration Equivalent to Reported Chronic Daily Dose	8	mg/kg-diet based on standard FDA lab rat conversion

LD50 ft-2

Application Type: Rows/Band/In-furrow / Granular

Enter data below:	
Do not use this input	
Row spacing (in):	36.00
Bandwidth (in):	6.00
% incorporated:	99.00%

TREX MODEL INPUTS Page 2 Aldicarb

Chemical: Aldicarb

LD50 ft-2

INPUTS	Do not overwrite these numbers.	
Application Rate:	20	lbs / acre
% A.I.:	15.00%	
Avian LD50 (20g):	0.52	mg/kg bw
(100g)	0.66	
(1000g)	0.93	
Mammalian LD50 (15g):	1.98	mg/kg bw
(35g)	1.60	
(1000g)	0.69	
Row Spacing:	36	inches
Bandwidth:	6	inches
Unincorporation:	1%	

Changes to the inputs must be made in the "INPUTS" worksheet.

Row/Band/In-furrow applications

Granular

Intermediate Calculations	
# rows acre-1:	69.57
row length (ft):	208.71
lb ai/1000 ft row:	1.38
bandwidth (ft):	0.50
mg ai/ft2:	187.43
exposed mg ai/ft2:	1.87

LD50 ft-2

	wgt class	
Avian	20 g	180.49
	100 g	28.36
	1000 g	2.01
Mammal	15 g	63.17
	35 g	33.46
	1000 g	2.71

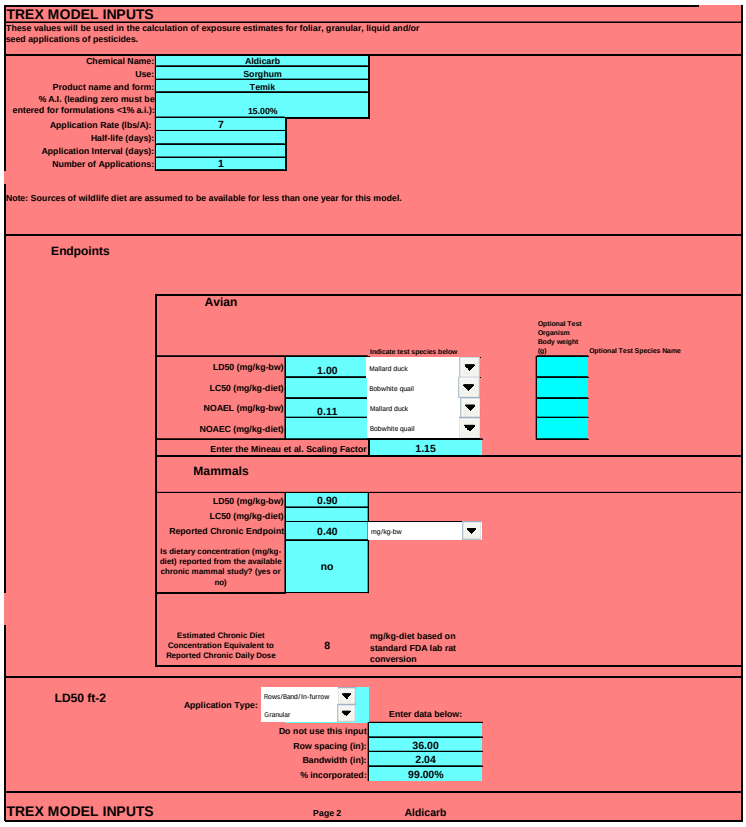
Liquid

Intermediate Calculations	
mg a.i./1000 ft row:	N/A
bandwidth:	N/A
mg a.i./ft2:	N/A
exposed mg a.i./ft2:	N/A

LD50 ft-2

	wgt class	
Avian	20 g	N/A
	100 g	N/A
	1000 g	N/A
Mammal	15 g	N/A
	35 g	N/A
	1000 g	N/A

Appendix A: Aldicarb Red Legged Frog T-REX Outputs



TREX MODEL INPUTS

These values will be used in the calculation of exposure estimates for foliar, granular, liquid and/or seed applications of pesticides.

Chemical Name:	Aldicarb
Use:	Sorghum
Product name and form:	Temik
% A.I. (leading zero must be entered for formulations <1% a.i.):	15.00%
Application Rate (lbs/A):	7
Half-life (days):	
Application Interval (days):	
Number of Applications:	1

Note: Sources of wildlife diet are assumed to be available for less than one year for this model.

Endpoints

Avian

		Indicate test species below	Optional Test Organism Body weight (g)	Optional Test Species Name
LD50 (mg/kg-bw)	1.00	Mallard duck		
LC50 (mg/kg-diet)		Bobwhite quail		
NOAEL (mg/kg-bw)	0.11	Mallard duck		
NOAEC (mg/kg-diet)		Bobwhite quail		
Enter the Mineau et al. Scaling Factor	1.15			

Mammals

LD50 (mg/kg-bw)	0.90	
LC50 (mg/kg-diet)		
Reported Chronic Endpoint	0.40	mg/kg-bw
Is dietary concentration (mg/kg-diet) reported from the available chronic mammal study? (yes or no)	no	
Estimated Chronic Diet Concentration Equivalent to Reported Chronic Daily Dose	8	mg/kg-diet based on standard FDA lab rat conversion

LD50 ft-2

Application Type: Rows/Band/In-furrow / Granular

Enter data below:

Do not use this input	
Row spacing (in):	36.00
Bandwidth (in):	2.04
% incorporated:	99.00%

TREX MODEL INPUTS Page 2 Aldicarb

Chemical: Aldicarb

LD50 ft-2

INPUTS	Do not overwrite these numbers.	
Application Rate:	7	lbs / acre
% A.I.:	15.00%	
Avian LD50 (20g):	0.52	mg/kg bw
(100g)	0.66	
(1000g)	0.93	
Mammalian LD50 (15g):	1.98	mg/kg bw
(35g)	1.60	
(1000g)	0.69	
Row Spacing:	36	inches
Bandwidth:	2.04	inches
Unincorporation:	1%	

Changes to the inputs must be made in the "INPUTS" worksheet.

Row/Band/In-furrow applications

Granular

Intermediate Calculations	
# rows acre-1:	69.57
row length (ft):	208.71
lb ai/1000 ft row:	0.48
bandwidth (ft):	0.17
mg ai/ft2:	192.95
exposed mg ai/ft2:	1.93

LD50 ft-2	wgt class	
Avian	20 g	185.80
	100 g	29.19
	1000 g	2.07
Mammal	15 g	65.03
	35 g	34.45
	1000 g	2.79

Liquid

Intermediate Calculations	
mg a.i./1000 ft row:	N/A
bandwidth:	N/A
mg a.i./ft2:	N/A
exposed mg a.i./ft2:	N/A

LD50 ft-2	wgt class	
Avian	20 g	N/A
	100 g	N/A
	1000 g	N/A
Mammal	15 g	N/A
	35 g	N/A
	1000 g	N/A

Appendix A: Aldicarb Red Legged Frog T-REX Outputs

TREX MODEL INPUTS

These values will be used in the calculation of exposure estimates for foliar, granular, liquid and/or seed applications of pesticides.

Chemical Name:	Aldicarb
Use:	Soybean
Product name and form:	Temik
% A.I. (leading zero must be entered for formulations <1% a.i.):	15.00%
Application Rate (lbs/A):	20
Half-life (days):	
Application Interval (days):	
Number of Applications:	1

Note: Sources of wildlife diet are assumed to be available for less than one year for this model.

Endpoints

Avian

		Indicate test species below	Optional Test Organism Body weight (g)	Optional Test Species Name
LD50 (mg/kg-bw)	1.00	Mallard duck		
LC50 (mg/kg-diet)		Bobwhite quail		
NOAEL (mg/kg-bw)	0.11	Mallard duck		
NOAEC (mg/kg-diet)		Bobwhite quail		
Enter the Mineau et al. Scaling Factor	1.15			

Mammals

LD50 (mg/kg-bw)	0.90	
LC50 (mg/kg-diet)		
Reported Chronic Endpoint	0.40	mg/kg-bw
Is dietary concentration (mg/kg-diet) reported from the available chronic mammal study? (yes or no)	no	
Estimated Chronic Diet Concentration Equivalent to Reported Chronic Daily Dose	8	mg/kg-diet based on standard FDA lab rat conversion

LD50 ft-2

Application Type: Rows/Band/In-furrow / Granular

Enter data below:	
Do not use this input	
Row spacing (in):	30.00
Bandwidth (in):	6.00
% incorporated:	99.00%

TREX MODEL INPUTS Page 2 Aldicarb

Chemical: Aldicarb

LD50 ft-2

INPUTS Do not overwrite these numbers.

Application Rate:	20	lbs / acre
% A.I.:	15.00%	
Avian LD50 (20g):	0.52	mg/kg bw
(100g)	0.66	
(1000g)	0.93	
Mammalian LD50 (15g):	1.98	mg/kg bw
(35g)	1.60	
(1000g)	0.69	
Row Spacing:	30	inches
Bandwidth:	6	inches
Unincorporation:	1%	

Changes to the inputs must be made in the "INPUTS" worksheet.

Row/Band/In-furrow applications

Granular

Intermediate Calculations	
# rows acre-1:	83.48
row length (ft):	208.71
lb ai/1000 ft row:	1.15
bandwidth (ft):	0.50
mg ai/ft2:	156.19
exposed mg ai/ft2:	1.56

LD50 ft-2

	wgt class	
Avian	20 g	150.41
	100 g	23.63
	1000 g	1.67
Mammal	15 g	52.64
	35 g	27.88
	1000 g	2.26

Liquid

Intermediate Calculations	
mg a.i./1000 ft row:	N/A
bandwidth:	N/A
mg a.i./ft2:	N/A
exposed mg a.i./ft2:	N/A

LD50 ft-2

	wgt class	
Avian	20 g	N/A
	100 g	N/A
	1000 g	N/A
Mammal	15 g	N/A
	35 g	N/A
	1000 g	N/A

Appendix A: Aldicarb Red Legged Frog T-REX Outputs

TREX MODEL INPUTS

These values will be used in the calculation of exposure estimates for foliar, granular, liquid and/or seed applications of pesticides.

Chemical Name:	Aldicarb
Use:	Sweet potato
Product name and form:	Temik
% A.I. (leading zero must be entered for formulations <1% a.i.):	15.00%
Application Rate (lbs/A):	14
Half-life (days):	
Application Interval (days):	
Number of Applications:	1

Note: Sources of wildlife diet are assumed to be available for less than one year for this model.

Endpoints

Avian

		Indicate test species below	Optional Test Organism Body weight (g)	Optional Test Species Name
LD50 (mg/kg-bw)	1.00	Mallard duck		
LC50 (mg/kg-diet)		Bobwhite quail		
NOAEL (mg/kg-bw)	0.11	Mallard duck		
NOAEC (mg/kg-diet)		Bobwhite quail		
Enter the Mineau et al. Scaling Factor	1.15			

Mammals

LD50 (mg/kg-bw)	0.90	
LC50 (mg/kg-diet)		
Reported Chronic Endpoint	0.40	mg/kg-bw
Is dietary concentration (mg/kg-diet) reported from the available chronic mammal study? (yes or no)	no	
Estimated Chronic Diet Concentration Equivalent to Reported Chronic Daily Dose	8	mg/kg-diet based on standard FDA lab rat conversion

LD50 ft-2

Application Type: Rows/Band/In-furrow / Granular

Enter data below:	
Do not use this input	
Row spacing (in):	48.00
Bandwidth (in):	12.00
% incorporated:	99.00%

TREX MODEL INPUTS Page 2 Aldicarb

INPUTS	Do not overwrite these numbers.	
Application Rate:	14	lbs / acre
% A.I.:	15.00%	
Avian LD50 (20g):	0.52	mg/kg bw
(100g)	0.66	
(1000g)	0.93	
Mammalian LD50 (15g):	1.98	mg/kg bw
(35g)	1.60	
(1000g)	0.69	
Row Spacing:	48	inches
Bandwidth:	12	inches
Unincorporation:	1%	

Changes to the inputs must be made in the "INPUTS" worksheet.

Row/Band/In-furrow applications

Granular

Intermediate Calculations	
# rows acre-1:	52.18
row length (ft):	208.71
lb ai/1000 ft row:	1.29
bandwidth (ft):	1.00
mg ai/ft2:	87.47
exposed mg ai/ft2:	0.87

LD50 ft-2

	wgt class	
Avian	20 g	84.23
	100 g	13.23
	1000 g	0.94
Mammal	15 g	29.48
	35 g	15.62
	1000 g	1.26

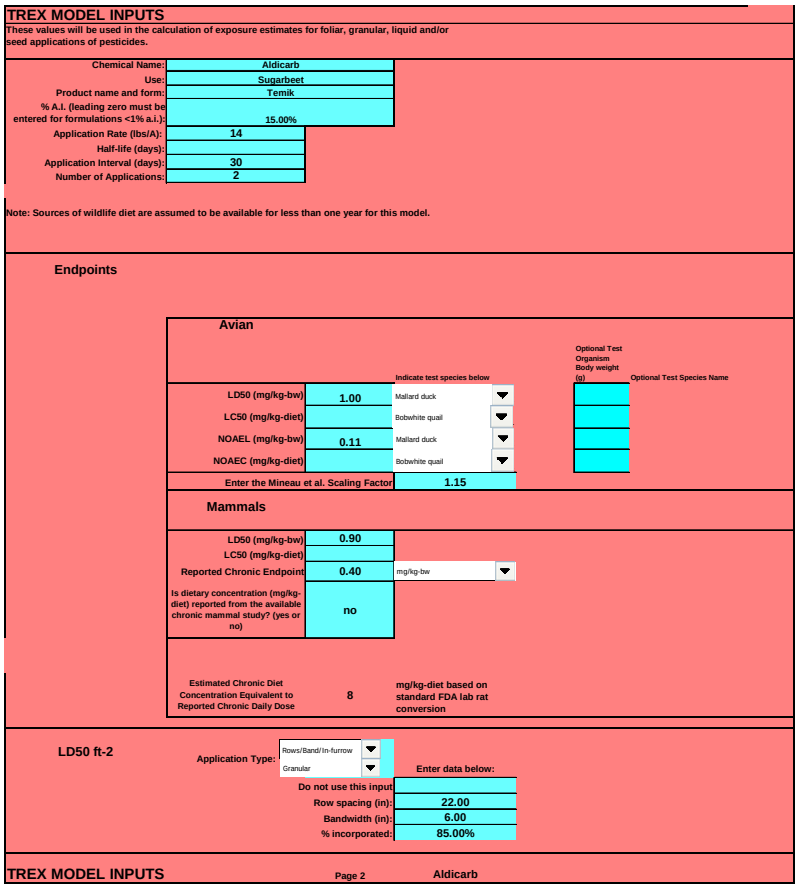
Liquid

Intermediate Calculations	
mg a.i./1000 ft row:	N/A
bandwidth:	N/A
mg a.i./ft2:	N/A
exposed mg a.i./ft2:	N/A

LD50 ft-2

	wgt class	
Avian	20 g	N/A
	100 g	N/A
	1000 g	N/A
Mammal	15 g	N/A
	35 g	N/A
	1000 g	N/A

Appendix A: Aldicarb Red Legged Frog T-REX Outputs



TREX MODEL INPUTS

These values will be used in the calculation of exposure estimates for foliar, granular, liquid and/or seed applications of pesticides.

Chemical Name:	Aldicarb
Use:	Sugarbeet
Product name and form:	Temik
% A.I. (leading zero must be entered for formulations <1% a.i.):	15.00%
Application Rate (lbs/A):	14
Half-life (days):	
Application Interval (days):	30
Number of Applications:	2

Note: Sources of wildlife diet are assumed to be available for less than one year for this model.

Endpoints

Avian

		Indicate test species below	Optional Test Organism Body weight (g)	Optional Test Species Name
LD50 (mg/kg-bw)	1.00	Mallard duck		
LC50 (mg/kg-diet)		Bobwhite quail		
NOAEL (mg/kg-bw)	0.11	Mallard duck		
NOAEC (mg/kg-diet)		Bobwhite quail		
Enter the Mineau et al. Scaling Factor	1.15			

Mammals

LD50 (mg/kg-bw)	0.90	
LC50 (mg/kg-diet)		
Reported Chronic Endpoint	0.40	mg/kg-bw
Is dietary concentration (mg/kg-diet) reported from the available chronic mammal study? (yes or no)	no	
Estimated Chronic Diet Concentration Equivalent to Reported Chronic Daily Dose	8	mg/kg-diet based on standard FDA lab rat conversion

LD50 ft-2

Application Type: Rows/Band/In-furrow / Granular

Enter data below:	
Do not use this input	
Row spacing (in):	22.00
Bandwidth (in):	6.00
% incorporated:	85.00%

TREX MODEL INPUTS Page 2 Aldicarb

Chemical: Aldicarb

LD50 ft-2

INPUTS	Do not overwrite these numbers.	
Application Rate:	14	lbs / acre
% A.I.:	15.00%	
Avian LD50 (20g):	0.52	mg/kg bw
(100g)	0.66	
(1000g)	0.93	
Mammalian LD50 (15g):	1.98	mg/kg bw
(35g)	1.60	
(1000g)	0.69	
Row Spacing:	22	inches
Bandwidth:	6	inches
Unincorporation:	15%	

Changes to the inputs must be made in the "INPUTS" worksheet.

Row/Band/In-furrow applications

Granular

Intermediate Calculations	
# rows acre-1:	113.84
row length (ft):	208.71
lb ai/1000 ft row:	0.59
bandwidth (ft):	0.50
mg ai/ft2:	80.18
exposed mg ai/ft2:	12.03

LD50 ft-2

	wgt class	
Avian	20 g	1158.17
	100 g	181.95
	1000 g	12.88
Mammal	15 g	405.35
	35 g	214.71
	1000 g	17.37

Liquid

Intermediate Calculations	
mg a.i./1000 ft row:	N/A
bandwidth:	N/A
mg a.i./ft2:	N/A
exposed mg a.i./ft2:	N/A

LD50 ft-2

	wgt class	
Avian	20 g	N/A
	100 g	N/A
	1000 g	N/A
Mammal	15 g	N/A
	35 g	N/A
	1000 g	N/A

Appendix A: Aldicarb Red Legged Frog T-REX Outputs

TREX MODEL INPUTS

These values will be used in the calculation of exposure estimates for foliar, granular, liquid and/or seed applications of pesticides.

Chemical Name:	Aldicarb
Use:	Citrus
Product name and form:	Temik
% A.I. (leading zero must be entered for formulations <1% a.i.):	15.00%
Application Rate (lbs/A):	33
Half-life (days):	
Application Interval (days):	
Number of Applications:	1

Note: Sources of wildlife diet are assumed to be available for less than one year for this model.

Endpoints

Avian

		Indicate test species below	Optional Test Organism Body weight (g)	Optional Test Species Name
LD50 (mg/kg-bw)	1.00	Mallard duck		
LC50 (mg/kg-diet)		Bobwhite quail		
NOAEL (mg/kg-bw)	0.11	Mallard duck		
NOAEC (mg/kg-diet)		Bobwhite quail		
Enter the Mineau et al. Scaling Factor	1.15			

Mammals

LD50 (mg/kg-bw)	0.90	
LC50 (mg/kg-diet)		
Reported Chronic Endpoint	0.40	mg/kg-bw
Is dietary concentration (mg/kg-diet) reported from the available chronic mammal study? (yes or no)	no	
Enter dietary concentration (mg/kg-diet)		
Estimated Chronic Diet Concentration Equivalent to Reported Chronic Daily Dose	8	mg/kg-diet based on standard FDA lab rat conversion

LD50 ft-2

Application Type: Rows/Band/In-furrow (2) / Granular (1)

Enter data below:	
Do not use this input	
Row spacing (in):	25.00
Bandwidth (in):	6.25
% incorporated:	85.00%

Appendix A: Aldicarb Red Legged Frog T-REX Outputs

Chemical: Aldicarb

LD50 ft-2

INPUTS	Do not overwrite these numbers.	
Application Rate:	33	lbs / acre
% A.I.:	15.00%	
Avian LD50 (20g):	0.52	mg/kg bw
(100g)	0.66	
(1000g)	0.93	
Mammalian LD50 (15g):	1.98	mg/kg bw
(35g)	1.60	
(1000g)	0.69	
Row Spacing:	25	inches
Bandwidth:	6.25	inches
Unincorporation:	15%	

Changes to the inputs must be made in the "INPUTS" worksheet.

Row/Band/In-furrow applications

Granular

Intermediate Calculations	
# rows acre-1:	100.18
row length (ft):	208.71
lb ai/1000 ft row:	1.58
bandwidth (ft):	0.52
mg ai/ft2:	206.18
exposed mg ai/ft2:	30.93

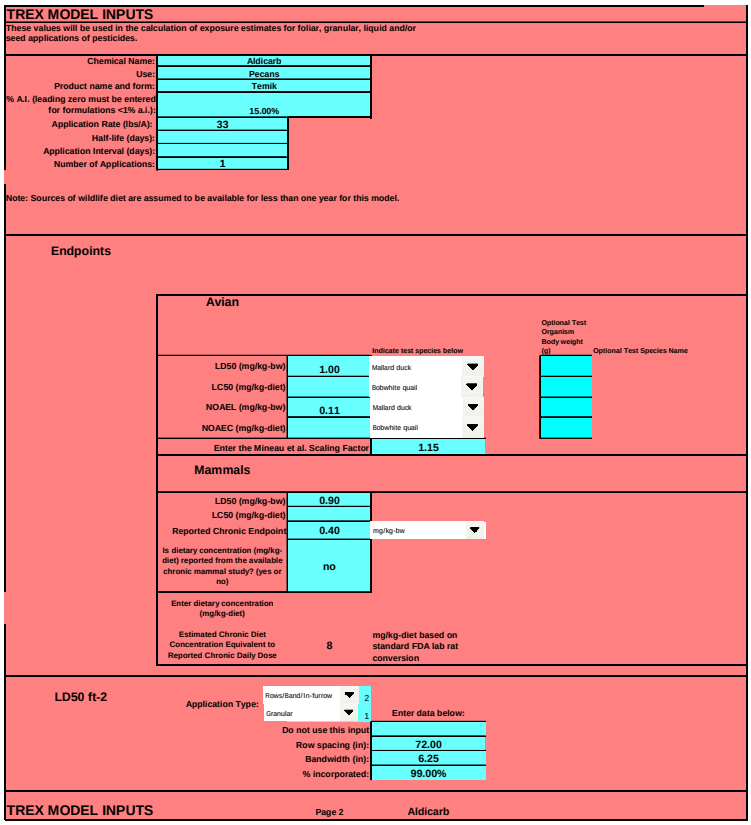
LD50 ft-2		
	wgt class	
Avian	20 g	2978.15
	100 g	467.88
	1000 g	33.12
Mammal	15 g	1042.33
	35 g	552.10
	1000 g	44.68

Liquid

Intermediate Calculations	
mg a.i./1000 ft row:	N/A
bandwidth:	N/A
mg a.i./ft2:	N/A
exposed mg a.i./ft2:	N/A

LD50 ft-2		
	wgt class	
Avian	20 g	N/A
	100 g	N/A
	1000 g	N/A
Mammal	15 g	N/A
	35 g	N/A
	1000 g	N/A

Appendix A: Aldicarb Red Legged Frog T-REX Outputs



TREX MODEL INPUTS

These values will be used in the calculation of exposure estimates for foliar, granular, liquid and/or seed applications of pesticides.

Chemical Name:	Aldicarb
Use:	Pecans
Product name and form:	Temik
% A.I. (leading zero must be entered for formulations <1% a.i.):	15.00%
Application Rate (lbs/A):	33
Half-life (days):	
Application Interval (days):	
Number of Applications:	1

Note: Sources of wildlife diet are assumed to be available for less than one year for this model.

Endpoints

Avian

		Indicate test species below	Optional Test Organism Body weight (g)	Optional Test Species Name
LD50 (mg/kg-bw)	1.00	Mallard duck		
LC50 (mg/kg-diet)		Bobwhite quail		
NOAEL (mg/kg-bw)	0.11	Mallard duck		
NOAEC (mg/kg-diet)		Bobwhite quail		
Enter the Mineau et al. Scaling Factor	1.15			

Mammals

LD50 (mg/kg-bw)	0.90	
LC50 (mg/kg-diet)		
Reported Chronic Endpoint	0.40	mg/kg-bw
Is dietary concentration (mg/kg-diet) reported from the available chronic mammal study? (yes or no)	no	
Enter dietary concentration (mg/kg-diet)		
Estimated Chronic Diet Concentration Equivalent to Reported Chronic Daily Dose	8	mg/kg-diet based on standard FDA lab rat conversion

LD50 ft-2

Application Type: Rows/Band/In-furrow (2) / Granular (1) — Enter data below:

Do not use this input	
Row spacing (in):	72.00
Bandwidth (in):	6.25
% incorporated:	99.00%

TREX MODEL INPUTS Page 2 Aldicarb

Chemical: Aldicarb

LD50 ft-2

INPUTS	Do not overwrite these numbers.	
Application Rate:	33	lbs / acre
% A.I.:	15.00%	
Avian LD50 (20g):	0.52	mg/kg bw
(100g)	0.66	
(1000g)	0.93	
Mammalian LD50 (15g):	1.98	mg/kg bw
(35g)	1.60	
(1000g)	0.69	
Row Spacing:	72	inches
Bandwidth:	6.25	inches
Unincorporation:	1%	

Changes to the inputs must be made in the "INPUTS" worksheet.

Row/Band/In-furrow applications

Granular

Intermediate Calculations	
# rows acre-1:	34.79
row length (ft):	208.71
lb ai/1000 ft row:	4.55
bandwidth (ft):	0.52
mg ai/ft2:	593.79
exposed mg ai/ft2:	5.94

LD50 ft-2

	wgt class	
Avian	20 g	571.80
	100 g	89.83
	1000 g	6.36
Mammal	15 g	200.13
	35 g	106.00
	1000 g	8.58

Liquid

Intermediate Calculations	
mg a.i./1000 ft row:	N/A
bandwidth:	N/A
mg a.i./ft2:	N/A
exposed mg a.i./ft2:	N/A

LD50 ft-2

	wgt class	
Avian	20 g	N/A
	100 g	N/A
	1000 g	N/A
Mammal	15 g	N/A
	35 g	N/A
	1000 g	N/A