

**Appendix I**  
**EHS Incident Data**

Table I-1 Aquatic Animal Incidents Reported in EIIS Involving Trifluralin as of July 10, 2009											
Type	Incident ID	Use Site	Start Date	Legality	Certainty	State	County	Total No.	Total Magnitude	Appl. Rate	Appl. Method
AQUATIC ANIMAL	I000254-001	Soybean	12-Jun-91	Registered Use	Unlikely	IA	LUCAS		ALL	N/R	N/R
AQUATIC ANIMAL	I002793-001	N/R	26-May-95	Misuse (accidental)	Highly Probable	LA	LAFAYETTE	143			ACCIDENTAL SPILL
AQUATIC ANIMAL	I002215-001	UNDER ASPHALT	01-Jun-95	REGISTERED USE	Probable	TX			N/R	N/R	Spray
AQUATIC ANIMAL	I002408-001	FIELD	01-Jul-95	Misuse (accidental)	Probable	OK			UNKNOWN	N/R	Broadcast, unincorporated
AQUATIC ANIMAL	I006258-001	HOME/LAWN	01-Jan-97	Misuse (accidental)	Probable	IN		3		N/R	N/R

**Table I-2 Terrestrial Plant Incidents Reported in EIIS Involving Trifluralin as of July 10, 2009**

Type	Incident ID	Use Site	Start Date	Legality	Certainty	State	County	Total Magnitude	Appl. Rate	Appl. Method
PLANTS	I000360-008	corn	01-Jan-93	Registered Use	Possible	IA		56 AC	N/R	Soil incorporation
PLANTS	I000360-014	beans	01-Jan-93	Registered Use	Possible	MO		160 AC BEANS	N/R	Soil incorporation
PLANTS	I000360-003	Wheat	01-Jan-93	Registered Use	Possible	ND		UNSPECIFIED ACREAGE	N/R	N/R
PLANTS	I000360-004	Pinto beans	01-Jan-93	Registered Use	Possible	CO		540 ACRES BEANS	N/R	N/R
PLANTS	I000360-005	Dry beans	01-Jan-93	Registered Use	Possible	CO		UNSPECIFIED ACREAGE	N/R	N/R
PLANTS	I000360-007	corn	01-Jan-93	Registered Use	Possible	IA		40 AC	N/R	Soil incorporation
PLANTS	I000360-009	corn	01-Jan-93	Registered Use	Possible	IA		40 AC	N/R	Soil incorporation
PLANTS	I000360-011	dry beans	01-Jan-93	Registered Use	Possible	WY		38 ACRES	N/R	Soil incorporation
PLANTS	I000360-006	corn	01-Jan-93	Registered Use	Possible	IA		150 ACRES	N/R	N/R
PLANTS	I007755-019	Agricultural Area	15-May-98	REGISTERED USE	Possible	ND	WILLIAMS	600ACRES	10 LBS/ACRE	PPI/GROUND-BROADCAST

Table I-2 Terrestrial Plant Incidents Reported in EIIS Involving Trifluralin as of July 10, 2009										
Type	Incident ID	Use Site	Start Date	Legality	Certain ty	State	County	Total Magnitude	Appl. Rate	Appl. Method
PLANTS	I007755-018	FIELD	25-May-98	REGISTERED USE	Possible	ND	MC KENZIE	250 ACRES	3.75 LBS/ACRE	PPI/GROUND-BROADCAST
PLANTS	I009517-001	CORN	15-Jun-99	REGISTERED USE	Possible	IA	JASPER	ALL	1.0 QT/ACRE	Broadcast
PLANTS	I009518-002	WHEAT	06-Jul-99	REGISTERED USE	Possible	ND	MC HENRY	ALL 350 ACRES	4.0 LBS/ACRE	Broadcast
PLANTS	I009518-003	WHEAT	26-Jul-99	REGISTERED USE	Possible	ND	MC KENZIE	168 ACRES	2.3 LBS/ACRE	GROUND BNROADCAST
PLANTS	I009518-004	N/R	26-Jul-99	REGISTERED USE	Possible	ND	MC KENZIE	285 ACRES	3.5 LBS/ACRE	Broadcast
PLANTS	I013636-050	Wheat, spring	15-May-02	Registered use	Possible	ND	PIERCE	150 out of 320 acres	1.0 pts / acre	Broadcast
PLANTS	I014702-063	Soybean	20-May-03	Registered use	Possible	MN	Norman	120 acres	2 pts/acre tank mix	Broadcast
PLANTS	I014702-062	Soybean	20-May-03	Registered use	Possible	MN	Clay	120 acres	2 pts/acre tank mix	Broadcast
PLANTS	I015278-001	Asparagus	20-Jun-03	Registered use	Possible	OR	Malheur	67 acres	1 qt	
PLANTS	I000360-010	dry beans	01-Jan-93	UNDETERMINED	Possible	WY		30 AC DRY BEANS	N/R	Soil incorporation
PLANTS	I005879-006	N/R	16-Jun-97	Undetermined	Possible	IA	ALLAMAKEE	UNKNOWN		N/R
PLANTS	I010936-022	PEANUT	28-Apr-00	UNDETERMINED	Possible	TX	DAWSON	ALL	N/R	N/R
PLANTS	I011838-059	Peanut	21-May-01	Undetermined	Possible	OK	CADD0	78 acres		
PLANTS	I005880-014	Agricultural Area		Misuse (accidental)	Probable	WI	LAFAYETTE	UNKNOWN		Spray

**Table I-2 Terrestrial Plant Incidents Reported in EIIS Involving Trifluralin as of July 10, 2009**

Type	Incident ID	Use Site	Start Date	Legality	Certainty	State	County	Total Magnitude	Appl. Rate	Appl. Method
PLANTS	I000051-001	Soybean	21-Jun-91	Misuse (accidental)	Probable	IA	FRANKLIN	Unknown	1 GAL AI/ACRE	SPRAY
PLANTS	I007008-001	RESIDENTIAL	04-Apr-98	Misuse (accidental)	Probable	TX	GALVESTON		N/R	Broadcast, unincorporated
PLANTS	I010927-020	WHEAT	18-Apr-00	Misuse (accidental)	Probable	ND	STARK	ALL	8.5 LBS/ACRE	KNIVES, HARROW
PLANTS	I010927-027	N/R	20-May-00	Misuse (accidental)	Probable	GA	TATTNALL	ALL	N/R	Spray
PLANTS	I006198-002	CORN		REGISTERED USE	Probable	IA		UNKNOWN		N/R
PLANTS	I006198-006	Soybean		REGISTERED USE	Probable	NE		UNKNOWN		N/R
PLANTS	I006191-001	CORN		REGISTERED USE	Probable	IL		UNKNOWN		N/R
PLANTS	I003139-001	Bean, dry		REGISTERED USE	Probable	CA		UNKNOWN		
PLANTS	I003140-001	WHEAT		REGISTERED USE	Probable	ND		UNKNOWN		
PLANTS	I003141-001	ALFALFA		REGISTERED USE	Probable	MI		UNKNOWN		
PLANTS	I006198-005	COTTON		REGISTERED USE	Probable	TX		UNKNOWN		N/R
PLANTS	I006198-003	Soybean		REGISTERED USE	Probable	IL		UNKNOWN		N/R
PLANTS	I004808-001	WHEAT		REGISTERED USE	Probable	CA		UNKNOWN		N/R
PLANTS	I006198-001	CORN		REGISTERED USE	Probable	SD		UNKNOWN		N/R
PLANTS	I006193-002	Sugarcane		REGISTERED USE	Probable	HI		UNKNOWN		N/R

Table I-2 Terrestrial Plant Incidents Reported in EIIS Involving Trifluralin as of July 10, 2009										
Type	Incident ID	Use Site	Start Date	Legality	Certain ty	State	County	Total Magnitude	Appl. Rate	Appl. Method
PLANTS	I006882-001	WHEAT		REGISTERED USE	Probable	CA		N/R	N/R	N/R
PLANTS	I004837-001	Soybean		REGISTERED USE	Probable	IN				N/R
PLANTS	I006193-001	CORN		REGISTERED USE	Probable	PA		UNKNOWN		N/R
PLANTS	I006191-003	CORN		REGISTERED USE	Probable	IL		UNKNOWN		N/R
PLANTS	I004809-001	BARLEY		REGISTERED USE	Probable	ND		UNKNOWN		N/R
PLANTS	I006191-002	CORN		REGISTERED USE	Probable	IA		UNKNOWN		N/R
PLANTS	I006198-004	CORN		REGISTERED USE	Probable	IA		UNKNOWN		N/R
PLANTS	I003113-001	FIELD	01-Jan-94	REGISTERED USE	Probable	MT		ALL	N/R	N/R
PLANTS	I003126-001	FIELD	01-Jan-96	REGISTERED USE	Probable	ID		ALL	N/R	N/R
PLANTS	I004845-001	Agricultural Area	01-Jan-96	REGISTERED USE	Probable	SD		ALL	N/R	N/R
PLANTS	I003148-001	FIELD	01-Jan-96	REGISTERED USE	Probable	ND		ALL	N/R	N/R
PLANTS	I003128-001	Agricultural Area	01-Jan-96	REGISTERED USE	Probable	MN			N/R	N/R
PLANTS	I003127-001	FIELD	01-Jan-96	REGISTERED USE	Probable	IA		ALL	N/R	N/R
PLANTS	I003125-001	WHEAT	01-Jan-96	REGISTERED USE	Probable	OR		ALL	N/R	N/R
PLANTS	I003145-001	FIELD	01-Jan-96	REGISTERED USE	Probable	MN		N/R	N/R	N/R
PLANTS	I006186-003	Agricultural Area	01-Jan-97	REGISTERED USE	Probable	ND		ALL	N/R	N/R

**Table I-2 Terrestrial Plant Incidents Reported in EIIS Involving Trifluralin as of July 10, 2009**

Type	Incident ID	Use Site	Start Date	Legality	Certainty	State	County	Total Magnitude	Appl. Rate	Appl. Method
PLANTS	I006186-005	Agricultural Area	01-Jan-97	REGISTERED USE	Probable	ND		ALL	N/R	N/R
PLANTS	I006186-002	Agricultural Area	01-Jan-97	REGISTERED USE	Probable	MN		ALL	N/R	N/R
PLANTS	I006186-001	Agricultural Area	01-Jan-97	REGISTERED USE	Probable	ND		ALL	N/R	N/R
PLANTS	I004839-001	BARLEY	01-Jan-97	REGISTERED USE	Probable	ND			N/R	N/R
PLANTS	I004821-001	FIELD	01-Jan-97	REGISTERED USE	Probable	KS		ALL	N/R	N/R
PLANTS	I006186-006	Agricultural Area	01-Jan-97	REGISTERED USE	Probable	ND		ALL	N/R	N/R
PLANTS	I006186-004	Agricultural Area	01-Jan-97	REGISTERED USE	Probable	ND		ALL	N/R	N/R
PLANTS	I006448-001	FIELD	01-Oct-97	REGISTERED USE	Probable	WI		ALL	N/R	N/R
PLANTS	I007255-002	Agricultural Area	01-Apr-98	REGISTERED USE	Probable	MN		ALL	N/R	N/R
PLANTS	I007255-001	Agricultural Area	01-Apr-98	REGISTERED USE	Probable	ND		ALL	N/R	N/R
PLANTS	I007705-001	Soybean	18-May-98	REGISTERED USE	Probable	MN	MOWER	ALL	2 PTS/ACRE	GROUND-BROADCAST
PLANTS	I009517-002	ALFALFA	01-Oct-98	REGISTERED USE	Probable	OK	TEXAS	ALL	1.5 PT/ACRE	CHEMIGATION
PLANTS	I009969-008	Soybean	01-May-99	REGISTERED USE	Probable	IA	JASPER	ALL	2.25 PTS/ACRE	Broadcast
PLANTS	I009518-001	Tomato	07-May-99	REGISTERED USE	Probable	CA	IMPERIAL	210 ACRES	10 LBS/ACRE	Broadcast
PLANTS	I009518-005	Agricultural Area	01-Jul-99	REGISTERED USE	Probable	CA	FRESNO	78 ACRES	20 LBS/ACRE	Broadcast

Table I-2 Terrestrial Plant Incidents Reported in EIIS Involving Trifluralin as of July 10, 2009										
Type	Incident ID	Use Site	Start Date	Legality	Certainty	State	County	Total Magnitude	Appl. Rate	Appl. Method
PLANTS	I009518-006	WHEAT	19-Aug-99	REGISTERED USE	Probable	ND	MC INTOSH	90 ACRES	4.0 PTS/ACRE	Broadcast
PLANTS	I010927-032	Tomato	03-Mar-00	REGISTERED USE	Probable	CA	MERCED	ALL	10.0 LBS/ACRE	Broadcast
PLANTS	I010927-031	WHEAT	29-Apr-00	REGISTERED USE	Probable	ND	CAVALIER	ALL	10.0 LBS/ACRE	Spray
PLANTS	I010927-030	Soybean	01-May-00	REGISTERED USE	Probable	IA	FRANKLIN	180 ACRES	1.75 PTS/ACRE	Spray
PLANTS	I013636-049	Alfalfa	23-Apr-02	Registered use	Probable	ID	OWYHEE	50 out of 53 acres	1.0 pts / acre	Broadcast
PLANTS	I014838-001	Alfalfa		Undetermined	Probable	TX	Reeves	3200 acres	N/R	N/R
PLANTS	I006171-001	Agricultural Area		UNDETERMINED	Probable	IA		UNKNOWN	N/R	N/R
PLANTS	I000663-001	Corn/Soybean	01-Jul-92	UNDETERMINED	Probable	IA	EMMET	350 ACRES	N/R	Soil incorporation



## **EIIS Pesticide Summary Report: Aquatic Animal Species Information for Trifluralin**

<b>Incident #</b>	<b>Species</b>	<b>Scientific Name</b>	<b>Magnitude</b>	<b>Response</b>	<b>Rt. Exposure</b>
<b>AQUATIC</b>					
<i>FIELD</i>					
I002408-001	unknown fish		unknown	mortality	Runoff
<i>HOME/LAWN</i>					
I006258-001	n/r		3	mortality	TREATMENT
<i>N/R</i>					
I002793-001	bluegill	Lepomis macrochirus	22	mortality	Spill
	catfish	Ictaluridae	25	mortality	Spill
	eel	Anguilliformes	9	mortality	Spill
	gar	Lepisosteus spp.	2	mortality	Spill
	minnow	Cyprinidae	30	mortality	Spill
	shad	Clupeidae	55	mortality	Spill
<i>Soybean</i>					
I000254-001	bass	Micropterus spp.		mortality	Runoff
	bluegill	Lepomis macrochirus		mortality	Runoff
	channel catfish	Ictalurus punctatus		mortality	Runoff

Friday, July 10, 2009

Page 1 of 9

<b>Incident #</b>	<b>Species</b>	<b>Scientific Name</b>	<b>Magnitude</b>	<b>Response</b>	<b>Rt. Exposure</b>
<i>UNDER ASPHALT</i> I002215-001	crappie	Centrarchidae		mortality	Runoff
	bass	Micropterus spp.	n/r	mortality	Runoff
	bluegill	Lepomis macrochirus	n/r	mortality	Runoff

## **EIIS Pesticide Summary Report: Terrestrial Plant Species Information for Trifluralin**

	crappie	Centrarchidae	n/r	mortality	Runoff
<b>PLANTS</b>					
<i>Agricultural Area</i>					
I003128-001	soybean seed	Glycine max		stunted growth	TREATMENT
I004845-001	corn	Zea mays		mortality	TREATMENT
I005880-014	birch	Betula sp.	unknown	discoloration	Drift
	percifia shrubs			discoloration	Drift
I006171-001	corn	Zea mays	unknown	mortality	N/R
I006186-001	spring wheat	Triticum aestivum		plant damage	TREATMENT
I006186-002	corn	Zea mays		plant damage	TREATMENT
I006186-003	spring wheat	Triticum aestivum		reduced yield	TREATMENT
I006186-004					

<b>Incident #</b>	<b>Species</b>	<b>Scientific Name</b>	<b>Magnitude</b>	<b>Response</b>	<b>Rt. Exposure</b>
	spring wheat	Triticum aestivum		plant damage	TREATMENT
I006186-005					
	spring wheat	Triticum aestivum		plant damage	TREATMENT
I006186-006					
	spring wheat	Triticum aestivum		plant damage	TREATMENT
I007255-001					
	spring wheat	Triticum aestivum		plant damage	TREATMENT
I007255-002					
	spring wheat	Triticum aestivum		plant damage	TREATMENT
I007755-019					
	sunflower		600 acres	plant damage	TREATMENT
I009518-005					
	sudan grass		all 78 acres	plant damage	Treated directly
<i>ALFALFA</i>					
I003141-001					
	alfalfa	Medicago sativa	unknown	incapacitation	
	blue spruce	Picea pungens	unknown	incapacitation	
I009517-002					
	alfalfa	Medicago sativa	all 3851 acres	plant damage	Treated directly
I013636-049					
	alfalfa	Medicago sativa	50 acres out of 53	plant damage	Treated directly
I014838-001					
	alfalfa	Medicago sativa	3200 acres	plant damage	Treated directly
<i>Asparagus</i>					
I015278-001					
	potato		67 acres	plant damage	Carryover

<b>Incident #</b>	<b>Species</b>	<b>Scientific Name</b>	<b>Magnitude</b>	<b>Response</b>	<b>Rt. Exposure</b>
<i>BARLEY</i>					
I004809-001	barley	Hordeum vulgare	unknown	incapacitation	TREATMENT
I004839-001	barley	Hordeum vulgare		plant damage	TREATMENT
<i>Bean, dry</i>					
I003139-001	dry bean		unknown	incapacitation	APPLICATION
<i>beans</i>					
I000360-014	bean	Phaseolus	160 ac	plant damage	N/R
<i>corn</i>					
I000360-006	corn	Zea mays	150 ac.	plant damage	Carryover
I000360-007	corn	Zea mays	40 ac	plant damage	N/R
I000360-008	corn	Zea mays	56 ac	plant damage	Carryover
I000360-009	corn	Zea mays	40 ac	plant damage	Carryover
I006191-001	corn	Zea mays	n/r	plant damage	N/R
I006191-002	corn	Zea mays	unknown	plant damage	N/R
I006191-003					

<b>Incident #</b>	<b>Species</b>	<b>Scientific Name</b>	<b>Magnitude</b>	<b>Response</b>	<b>Rt. Exposure</b>
	corn	<i>Zea mays</i>	unknown	plant damage	N/R
I006193-001					
	corn	<i>Zea mays</i>	unknown	plant damage	
I006198-001					
	corn	<i>Zea mays</i>	unknown	plant damage	
I006198-002					
	corn	<i>Zea mays</i>	unknown	plant damage	
I006198-004					
	corn	<i>Zea mays</i>	unknown	plant damage	
I009517-001					
	corn	<i>Zea mays</i>	all 200 acres	plant damage	Treated directly
<i>CORN/SOYBEAN</i>					
I000663-001					
	corn	<i>Zea mays</i>	350 acres	plant damage	Carryover
	soybean		350 acres	plant damage	Carryover
<i>COTTON</i>					
I006198-005					
	cotton	<i>Gossypium</i>	unknown	plant damage	
<i>Dry beans</i>					
I000360-005					
	dry bean		unspecified acreage	plant damage	N/R
I000360-010					
	dry bean		30 ac	plant damage	N/R
I000360-011					
	dry bean		38 ac	plant damage	N/R

Incident #	Species	Scientific Name	Magnitude	Response	Rt. Exposure	
FIELD						
I003113-001	spring wheat	Triticum aestivum	n/r	mortality	TREATMENT	
I003126-001		Triticum aestivum		plant damage	TREATMENT	
I003127-001	corn	Zea mays		inhibited growth	TREATMENT	
I003145-001	soybean seed	Glycine max		mortality	TREATMENT	
I003148-001	spring wheat	Triticum aestivum		plant damage	TREATMENT	
I004821-001	corn	Zea mays		plant damage	TREATMENT	
I006448-001	corn	Zea mays		incapacitation	TREATMENT	
I007755-018	spring wheat	Triticum aestivum		250 acres	plant damage	TREATMENT
N/R						
I005879-006	raspberry			plant damage	Drift	
I009518-004	spring wheat	Triticum aestivum	285 acres	plant damage	Treated directly	
I010927-027	cotton	Gossypium	all 125 acres	plant damage	Carryover	
PEANUT						

<b>Incident #</b>	<b>Species</b>	<b>Scientific Name</b>	<b>Magnitude</b>	<b>Response</b>	<b>Rt. Exposure</b>
I010936-022	peanut	Arachis hypogaea	all 85 acres	plant damage	Treated directly
I011838-059	peanut	Arachis hypogaea	78 acres	plant damage	Treated directly
<i>Pinto beans</i>					
I000360-004	pinto bean	Phaseolus vulgaris	540 acres	plant damage	N/R
<i>RESIDENTIAL</i>					
I007008-001	rose spreading yew	Rosa	109 1	plant damage plant damage	UNKNOWN Runoff
<i>Soybean</i>					
I000051-001	ornamental unknown plant		n/r n/r	plant damage plant damage	Drift Drift
I004837-001	soybean		unknown	plant damage	
I006198-003	soybean		unknown	reduced yield	
I006198-006	soybean		unknown	plant damage	
I007705-001	soybean seed	Glycine max		plant damage	TREATMENT
I009969-008	corn	Zea mays	all 465 acres	plant damage	TOXIC RESIDUE



<b>Incident #</b>	<b>Species</b>	<b>Scientific Name</b>	<b>Magnitude</b>	<b>Response</b>	<b>Rt. Exposure</b>
I010927-030	soybean		180 acres out of 275	plant damage	Treated directly
I014702-062	soybean		120 acres	plant damage	Treated directly
I014702-063	soybean		120 acres	plant damage	Treated directly
<i>Sugarcane</i>					
I006193-002	sugarcane		unknown	plant damage	APPLIED TO CROP
<i>Tomato</i>					
I009518-001	tomato		all 210 acres	plant damage	Treated directly
I010927-032	tomato		all 74 acres	plant damage	Treated directly
<i>Wheat</i>					
I000360-003	wheat		unspecified acreage	plant damage	N/R
I003125-001	spring wheat	Triticum aestivum		plant damage	TREATMENT
I003140-001	spring wheat	Triticum aestivum	unknown	incapacitation	
I004808-001	wheat		unknown	incapacitation	
I006882-001	wheat		unknown	reduced yield	Treated directly

<b>Incident #</b>	<b>Species</b>	<b>Scientific Name</b>	<b>Magnitude</b>	<b>Response</b>	<b>Rt. Exposure</b>
I009518-002	spring wheat	Triticum aestivum	350 acres	plant damage	Treated directly
I009518-003	spring wheat	Triticum aestivum	168 acres	plant damage	Treated directly
I009518-006	spring wheat	Triticum aestivum	all 90 acres	plant damage	Treated directly
I010927-020	wheat		all 240 acres	plant damage	Carryover
I010927-031	wheat		all 110 acres	plant damage	Carryover
<i>Wheat, spring</i> I013636-050	wheat, spring		150 out of 320 acres	plant damage	Treated directly