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WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

February 26, 2009

MEMORANDUM

SUBJECT: Updated Review of Glyphosate (103601) Incident Reports

FROM: Monica Hawkins, M.P.H., Environmental Health Scientist
Toxicology and Epidemiology Branch
Health Effects Division (7509P)

Monica Hawkins

Jessie Cordova, Information Technology Specialist
Toxicology and Epidemiology Branch
Health Effect Division (7509P)

Jessie Cordova

THRU: Mary Manibusan, Branch Chief
Toxicology and Epidemiology Branch
Health Effects Division (7509P)

M. Manibusan

TO: John Pates, CRM
Special Review and Reregistration Division (7508P)

BACKGROUND

The OPP Incident Data System (IDS) was consulted for poisoning incident data on the active ingredient glyphosate (103601). The purpose of the database search is to identify potential patterns on the extent and severity of the health effects attributed to glyphosate (103601) exposure. The IDS includes reports of incidents from various sources, including mandatory Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) Section 6 (a) (2) reports from registrants, other federal and state health and environmental agencies and individual consumers. The following databases were not searched for poisoning incident data: the American Association of Poison Control Centers Toxic Exposure Surveillance System (TESS), the California Pesticide Illness Surveillance Program, and the National Institute of Occupational Safety and Health's Sentinel Event Notification System for Occupational Risks (NIOSH SENSOR). The EPA is supplying the following incident report to fulfill our requirement to docket summaries of incident data that were reported to the Agency. This report represents 271 incidents occurring in the United States from 2002 to the present for the single chemical only.

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As a component of registration review for the active ingredient glyphosate, all incidents were evaluated that were reported through the FIFRA 6(a) (2) Incident Data System (IDS) to *qualitatively and quantitatively* determine both the frequency and descriptive nature of reported health effects as well as to identify any trends or patterns in the incident reporting, to the extent possible in a case reports database.

The OPP Incident Data System (IDS) is a database that includes reports of incidents from various sources, including mandatory Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) Section 6(a) (2) reports from registrants, other federal and state health and environmental agencies and individual consumers. The IDS has been in existence since 1992. Reports submitted to the Incident Data System represent anecdotal reports or allegations only, unless otherwise stated in this report. Typically, OPP does not draw conclusions implicating the pesticide as a cause of any of the reported health effects. Nevertheless, sometime with enough cases and/or documentation, patterns and risk mitigation measures may be suggested.

Incident information is mainly self-reported and therefore, generally speaking, neither exposure to a pesticide or reported symptom (or the connection between the two) is validated. However, incident information is an important feedback loop to the Agency – incidents of severe outcome, or other clear patterns or trends can signal the Agency to further investigate a particular chemical or product.

In this evaluation, we identified 271 case reports allegedly attributable to the organophosphate glyphosate reported to the IDS between 2002 and 2008. We reviewed the written content of each summarized case-report to determine the health effects most commonly allegedly associated with glyphosate use/exposure. Based on the IDS, we identified 8 major types of adverse health effects: gastro-intestinal (4.8%), dermal (29.5%), upper-respiratory (10.3%), neurological (36.2%), cardiovascular (0.36%), ocular (14.4%), muscular (0%), and combination (3.7%) effects. Only 2 case reports alleged exposure with no symptoms reported. Disturbances of the gastrointestinal and neurological systems are congruent with classic organophosphate exposure within the GI system. Among the case reports, gastrointestinal effects reported included diarrhea, abdominal cramps, stomach pain. Neurological system effects included shaking, loss of coordination, tingling, neuropathy, ataxia, and numbness. Respiratory effects including shortness of breath, coughing, asthma, bronchitis, congestion, and pneumonia were also reported.

Glyphosate exhibits low toxicity via the oral, dermal, and inhalation routes (Toxicity Category III or IV). Glyphosate exhibits only a mild eye irritation and slight dermal irritation and is not a skin irritant or sensitizer. In general, glyphosate is a moderately toxic organophosphate insecticide and the IDS query resulted in a moderately large number of case reports which warrants searching the following databases for consistency and reproducibility of the poisoning incident data: the American Association of Poison Control Centers Toxic Exposure Surveillance System (TESS), the California Pesticide Illness Surveillance Program, and the National Institute of Occupational Safety and Health's Sentinel Event Notification System for Occupational Risks (NIOSH SENSOR).

<u>Symptoms</u>	<u>Frequency (%)</u>
Dermal	80 (29.5)
Gastro-intestinal	13 (4.8)
Upper Respiratory	28 (10.3)
Neurological	98 (36.2)
Combination	10 (3.7)
Ocular	39 (14.4)
Muscular	0 (0)
Cardiovascular	1 (0.36)
No Symptoms	2(0.7)
Total	100% ¹

¹ overall frequency does not total 100% due to rounding.

Chemical: Glyphosate		103601 Human Incidents					
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
012676 001	21-Feb-02	ROUNDUP WEED & GRASS KILLER READY-TO-USE	07199500023		FL	HC	Man was pouring some of the product into his own sprayer and got some of the product on top of his hand. Unknown Adult (18-64 years old) Male reported Water Blisters and Redness.
012776 001	01-Mar-02	ROUNDUP WEED & GRASS KILLER CONCENTRATE	07199500026		CA	HC	Unknown Adult (18-64 years old) Female mixed the product with water and a small amount of the diluted product splashed into her eye. She reported Eye Redness, Irritation/Pain, and Superficial Corneal Abrasion.
012776 002	16-Mar-02	ROUNDUP WEED & GRASS KILLER READY-TO-USE	07199500023		VA	HC	Unknown Adult (18-64 years old) Male sprayed the product and the hose stretched away from the bottle and it broke off spraying him in the Face, Eye, and Nose. He reported Eye Irritation, Swollen, Redness, Difficulty Breathing, and Dizziness.
12852 002	09-Apr-02	ROUNDUP WEED & GRASS KILLER CONCENTRATE	07199500026		LA	HC	Unknown Adult (18-64 years old) Male used the diluted product while it was windy. Some of the product got into his eye or he rubbed his eye and scratched it. He reported Eye Irritation, Redness.
012852 003	17-Apr-02	ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE	07199500025		GA	HC	Unknown Adult (18-64 years old) Male got some of the diluted product in his eyes. He reported Irritation/Pain, Redness.

Chemical: Glyphosate		103601 Human Incidents					
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
012852 004	27-Apr-02	ROUNDUP WEED & GRASS KILLER CONCENTRATE	07199500026		NJ	HC	Unknown Adult (18-64 years old) Male sprayed the diluted product and the sprayer blew some of the product in his eyes and all over his body. He reported Ocular Irritation, Blurred Vision.
12854 001	17-Apr-02	KLEERAWAY GRASS & WEED KILLER 1 READY-TO-USE	07199500010	HARRISBURG	PA	HC	Unknown Adult (18-64 years old) Female reported Redness, Irritation after some of the product sprayed her in her eyes.
013090 001	15-Jun-02	GLYFOS X-TRA HERBICIDE	00478700023	SHEBOYGAN	WI	HC	Unknown Adult (18-64 years old) Female was possibly exposed during application of the product to farm crops. She reported Rash, Blisters from working in treated soil.
013105 001	13-Jun-02	ROUNDUP WEED & GRASS KILLER CONCENTRATE	07199500026		IN	HC	Unknown Adult (18-64 years old) Male sprayed a large area with the product and got a fair amount on his skin. On the same day the sprayer leaked on his left leg and soaked through his pants. He reported Rash, Redness, and Pruritus.
013105 002	18-Jun-02	ROUNDUP ULTRA MAX	00052400512		SC	HC	Unknown Adult (18-64 years old) Male sprayed the product with a spray gun when he tested the line. Some of the product sprayed into his eye. He reported Ocular Irritation, Redness.

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
013181 001	08-Jul-02	ROUNDUP WEED AND GRASS KILLER READY TO USE FROM MONSANTO	07199500023		MI	HC	Unknown Adult (18-64 years old) Male, who has a landscaping business, got some of the product into his right eye. He was diagnosed with Corneal Abrasion.
013181 002	12-Jul-02	ROUNDUP WEED AND GRASS KILLER READY TO USE FROM MONSANTO	07199500008		WV	HC	Unknown Adult (18-64 years old) Female used the product. After she pulled on one of the pieces of equipment it flew in the air and hit her hand and caused an abrasion. She reported Skin Irritation.
013181 003	25-Jul-02	ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE FROM MONSANTO	07199500025		GA	HC	Unknown Adult (18-64 years old) Female mixed the product and some of it splashed into her eyes. She reported Burning Eyes.
013181 004	26-Jul-02	ROUNDUP WEED & GRASS KILLER CONCENTRATE FROM MONSANTO	07199500026		FL	HC	Unknown Adult (18-64 years old) Female used the product and some of it splashed into her eye. She reported Ocular Irritation, Redness.
013203 001	24-May-02	GLYFOS X-TRA	00478700023	YADKINVILLE	NC	HD	Unknown Adult (18-64 years old) Female reported Rash, Pruritus after some of the product blew into the air.
013223 001	17-Aug-02	PROSECUTOR	00022800366 010404			HB	Unknown Adult (18-64 years old) Male used a backpack sprayer to spray weeds in his backyard. Wore t-shirt & shorts, no shoes. Was later found passed out. No Symptoms Described.

Chemical: Glyphosate		103601 Human Incidents					
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
013243 033	11-Jul-02	GROUND CLEAR COMPLEX VEGETATION KILLER (CONCENTRATE)	00023902657	MINNEAPOLIS	MN	HC	Unknown Adult (18-64 years old) Female reported Rash, Pruritus after using the product.
013263 001	03-Aug-02	ROUNDUP W&G KILLER RTU	07199500023		ID	HC	A Man cleaned out a container and some of the product splashed into his right eye. Unknown Adult (18-64 years old) Male reported Irritation/Pain.
013263 002	07-Aug-02	ROUNDUP WEED & GRASS KILLER READY-TO-USE	07199500023		KS	HC	Unknown Adult (18-64 years old) Male reported Ocular Irritation, Dermal Irritation. He tried to open the container and it exploded in the man's Face, Eyes and Mouth.
013331 158	01-Aug-02	TRIOX LIQUID VEGETATION KILLER	00023902657	SAN FRANCISCO	CA	HC	Unknown Adult (18-64 years old) Female says that the neighbor sprayed the product and she can smell. No Symptoms Mentioned.
013386 003	18-Aug-02	GLYPRO (NAF-552)	06271900324	HELVETIA	WV	HC	A 72 year old Male reported Renal Failure, Dysphagia when the diluted product was sprayed near his farm.
013391 001	25-Sep-02	ROUNDUP WEED & GRASS KILLER	07199500025		MA	HC	Unknown Adult (18-64 years old) Female poured the product into a container to dilute it. Some of the product splashed directly into her eye. She reported Burning, Redness.
013391 002	28-Sep-02	ROUNDUP WEED & GRASS KILLER CONCENTRATE	07199500026		AL	HC	Unknown Adult (18-64 years old) Female. Some of the diluted product splashed into her left eye as she poured it into the container. She reported Irritation/Pain.

Chemical: Glyphosate		103601 Human Incidents				Incident Description	
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	
013658 001	27-Dec-02	ROUNDUP ULTRA	00052400475		HI	HC	Redness.
013915 001	15-Jun-02	ROUNDUP W&G KILLER READY TO USE	07199500008	LA PALMA	CA	HC	A wife sprayed the diluted product. Her husband walked behind her and was using a weed wacker on the area she had just sprayed. Unknown Adult (18-64 years old) Male reported Rash, Blisters, and Swelling.
014001 001	29-Apr-03	ROUNDUP W & G KILLER READY TO USE	07199500008		NC	HC	Unknown Adult (18-64 years old) Male reported Nail Fungus. He used the product to kill weeds in his driveway. It took him over a half hour to complete the spraying and he noticed that the product had been coming out the trigger on the spray and dripping down his left hand.
014039 001	09-Apr-03	GREEN THUMB CONCENTRATE WEED & GRASS KILLER	06776000059 009688	PRESCOTT	AZ	HC	Unknown Adult (18-64 years old) Female employee experienced Blurred Vision & Burning Eyes after an accidental spraying near her eyes. Female individual possibly exposed while applying product. The wind may have blown mist into the air while the product was being applied. She reported Dizziness.

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
014028 016	08-Apr-03	GROUND CLEAR SUPER EDGER PLUS KILLS PLUS PREVENTS WEEDS & GRASSES RTU	00023902516	PORTLAND	OR	HC	A 56 year old Male reported Tremor after some of the product splashed in his mouth while it was being applied.
014028 021	08-Apr-03	GROUND CLEAR TRIOX TOTAL VEGETATION KILLER 1	00023902657	ROSEVILLE	CA	HC	A 40 year old Male reported Throat Irritation, Chest Pain, and Shortness of Breath after using the product 3 days earlier outside.
014068 001	29-May-03	KLEENUP PRO	00052400445 065783	OAKTON	MD	HC	A 23 year old Male reported Seizure after possible exposure to product.
014077 001	05-May-03	ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE	07199500025		CA	HC	Approximately 2 hours earlier, a man, who was at work, got some of the diluted product into his eye. Unknown Adult (18-64 years old) Male reported Eye Irritation, Redness, and Tearing.
014197 001	30-Jun-03	HONCHO		ANTELOPE	MT	HC	Unknown Adult (18-64 years old) Female reported a Skin Rash, Breathing Problems. She rode her bicycle and a County spray truck passed her. The truck did not stop spraying and as it went by her she was drenched.

Chemical: Glyphosate		103601 Human Incidents					
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
014198 072	20-Jun-03	GROUND CLEAR COMPLETE VEGETATION KILLER (CONCENTRATE)	00023902657	AURORA	CO	HC	Unknown Adult (18-64 years old) Male reported Nausea, Lethargy and Cold Sores. He used the product for the past few weeks at work.
014198 075	24-Jun-03	GROUND CLEAR TRIOX TOTAL VEGETATION KILLER 1	00023902657	DELENA	MD	HC	Unknown Adult (18-64 years old) Male reported Tremor. Product was used within the last 2 hours by a maintenance man at an apartment building. The man spoke with the maintenance man while the product was being applied.
014219 002	01-Jun-03	GLYFOS CONCENTRATE 41% WEED AND GRASS KILLER	06776000059 009688	CRESTON	CA	HC	A 48 year old Female reported Nausea, Fever/Hyperthermia, Malaise while applying diluted product outdoors around residence area.
014313 001	21-Jun-03	NO-PEST WEED & GRASS KILLER CONCENTRATE	06776000046 009688	GREENVILLE	NC	HC	A 31 year old Male used product and some got on his hands. Product remained on his skin for one hour. He reported Edema, Hives/Welts, and Shortness of Breath.
014335 001	11-Jul-03	ROUNDUP SUPER CONCENTRATE W & G KILLER1	07199500018		NJ	HC	Man sprayed the diluted product from a pressurized sprayer. The hose came undone and the product splashed in his eyes. Unknown Adult (18-64 years old) Male reported Eye Pain, Redness.
014335 002	20-Jul-03	ROUNDUP W & G KILLER READY-TO-USE	07199500023		NY	HC	Unknown Adult (18-64 years old) Female reported a seizure.

Chemical: Glyphosate		103601		Human Incidents			
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
014335 003	22-Jul-03	ROUNDUP SUPER CONCENTRATE W & G KILLER1	07199500018		NC	HC	Unknown Adult (18-64 years old) Male sprayed the product in his yard once a week. He ran the mower over the yard and he states some of the ash from burning yard waste was in air. He reported Heavy Breathing and Growly Voice.
014335 004	27-Jul-03	ROUNDUP W & G KILLER SUPER CONCENTRATE	07199500025		NC	HC	A man applied the diluted product and some of it splashed in his eyes and on his face when he lost control of the sprayer. Unknown Adult (18-64 years old) Male reported Eye Burning, Irritation/Pain.
014335 005	01-May-03	ROUNDUP W & G KILLER READY-TO-USE	07199500023		CA	HC	Unknown Adult (18-64 years old) Male used the product and reported with an Irregular Heartbeat and Palpitations.
014335 006	22-Jul-03	ROUNDUP W & G KILLER CONCENTRATE	07199500026		CO	HC	Unknown Adult (18-64 years old) Female reported Corneal Abrasion to the Eye. She cut weeds and something blew up into her eye after the product was applied to plants.
014335 007	28-Aug-03	ROUNDUP ULTRA	00052400475		PR	HC	Man used the diluted product and some of it spilled on his back and possibly splashed in his mouth. Unknown Adult (18-64 years old) Male reported Slurred Speech, Dizziness, Numb Tongue, and Loss of Coordination.

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
014370 001	27-Aug-03	ROUNDUP WEED & GRASS KILLER READY TO USE	07199500023		VA	HC	Unknown Adult (18-64 years old) Female reported Ocular Irritation after the product splashed into her eyes.
014317 084	29-Jul-03	KGRO GRASS & WEED KILLER 1 9READY-TO-USE)	07199500027 073327	WILLOW STREET	PA	HC	A 64 year old Female reported Shortness of Breath, Tachycardia after she applied the product yesterday.
014372 001	20-Aug-03	ROUNDUP WEED & GRASS KILLER READY-TO-USE	07199500023		VA	HC	A child reported Eye Irritation, Rash on Hand. The Product container was found open in a garage after the child came out of the garage.
014375 001	12-May-03	GLYFOS X-TRA HERBICIDE	00478700023	ELCO	GA	HC	A 36 year old Male reported Swelling, Edema, Chest Pain and Slurred Speech. The product may have splashed on his skin.
014375 002	18-Mar-03	GLYFOS X-TRA HERBICIDE	00478700023	SAN ANTONIO	TX	HC	A 79 year old Male reported Pain, Muscle Weakness, and Nighttime Swelling. Individual possibly exposed while applying product on a windy day.
014376 001	23-Aug-03	ROUNDUP CONCENTRATE WEED & GRASS KILLER	07199500017		NC	HC	Unknown Adult (18-64 years old) Male used the product and got some on his hands and then touched his eyes. He reported Blurred Vision.

Chemical: Glyphosate		103601 Human Incidents					
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
014459 016	16-Sep-03	POWER FORCE GRASS & WEED KILLER 24 OZ RTU	06776000061 072155	STOW	OH	HC	The neighbor applied the product in his yard. He warned his neighbors that he was going to apply the product and should keep their dog and child indoors. A 6 year old Female reported Hives/Welts on her Face, Torso, Groin and Thighs.
014428 071	14-Aug-03	GROUND CLEAR COMPLETE VEGETATION KILLER (CONC)	00023902657	PARSONS	TN	HC	A 66 year Female mixed the product that splashed on her glasses and eyes. She reported Ocular Irritation/Pain, Blurred Vision.
014491 001	01-Jun-03	ROUNDUP WEED & GRASS KILLER1 READY-TO-USE	07199500023		MS	HC	Unknown Adult (18-64 years old) Female reported Numbness on Fingertips, Tingling after the product splashed on her hands.
014493 001	17-Oct-03	ROUNDUP HERBICIDE	00052400445		MI	HC	Unknown Adult (18-64 years old) Male carried a sack out of the store after purchasing the product that was leaking. Some of it splashed on his skin and on his stomach. He reported Rash, Blisters, Tingling and itching.
014571 001	01-Oct-03	ROUNDUP GARDEN FOAM WEED & GRASS KILLER	07199500016		CO	HC	Unknown Adult (18-64 years old) Female used the product on weeds 4 weeks ago. Three days later she pulled the weeds. She reported Shortness of Breath, Fluid in her Lungs.

Chemical: Glyphosate		103601 Human Incidents					
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
014576 001	01-Oct-03	ROUNDUP HERBICIDE	00052400445		OH	HC	Unknown Adult (18-64 years old) Female reported Rash, Red Bumps on her lower Legs. Sprayed unknown formulation of diluted product while she was wearing shorts, socks and shoes.
014578 001	01-Oct-03	ROUNDUP HERBICIDE	00052400445		ND	HC	Unknown Adult (18-64 years old) Male used the product to clear the weeds during the growing season. He reported Rash on Thumb and Middle Finger that began to spread.
014579 001	01-Oct-03	ROUNDUP HERBICIDE	00052400445		ID	HC	A neighbor sprayed the product on her own property and some of the product drifted over into their neighbor's yard. Unknown Adult (18-64 years old) Male was in the yard pulling grass and planting flowers. He reported Burning Sensation to his Hands, Blisters to the Shoulders, Chest, and all over his Body.
014580 001	01-Oct-03	ROUNDUP HERBICIDE	00052400445		MO	HC	The device to attach to the hose was faulty and the product sprayed all over his Legs. Unknown Adult (18-64 years old) Male reported Tingling, Neuropathy.
014673 001	01-Nov-03	ROUNDUP HERBICIDE	00052400445		VA	HC	A Pilot applied the diluted product from an airplane on a very hot day. Unknown Adult (18-64 years old) Male reported Seizure.

Chemical: Glyphosate

103601

Human Incidents

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
014674 001	01-Nov-03	ROUNDUP HERBICIDE	00052400445		TX	HC	Unknown Adult 18-64 years old) Male spilled the product on his truck. He reported Pneumonia, Blood Clots in his Lungs.
014720 001	01-Dec-03	ROUNDUP HERBICIDE	00052400445		FL	HC	Unknown Adult (18-64 years old) Female reported Diarrhea and Blood in Stool after the product was applied near her home.
014721 001	01-Mar-03	ROUNDUP HERBICIDE	00052400445		MD	HC	A Lawn service sprayed a man's patio for weeds that grew through the bricks. Unknown Adult (18-64 years old) Male reported Shortness of Breath, Panting and Pneumonia.
014931 001	01-Feb-04	ROUNDUP HERBICIDE	00052400445		TX	HC	A mother and her friend spraying the product. Unknown Adult (18-64 years old) Females reported Vomiting and Blood in Urine.
014962 013	20-Mar-04	POWER FORCE GRASS & WEED KILLER 1 GAL RTU	06776000061 072155	MADDERY	LA	HC	A 41 year old Male used the product and got a small amount of the product in his eye. He reported Ocular Irritation/Pain.
014968 001	01-May-03	ROUNDUP HERBICIDE	00052400445		TN	HC	Unknown Adult (18-64 years old) Male reported Sores, Pruritus, and Rash. Some of the product spilled on his pants while he used it.
015007 001	19-Mar-04	ROUNDUP HERBICIDE	00052400445		FL	HC	Unknown Adult (18-64 years old) Male used the product for about an hour. He reported Chills, Nausea and Abdominal Cramping.

Chemical: Glyphosate		103601 Human Incidents					
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
015111 001	01-Apr-04	ROUNDUP RTU W&G KILLER1	07199500023		CA	HC	Unknown Adult (18-64 years old) Male used the product about 2 weeks ago. He reported Shortness of Breath and was Diagnosed with Pneumonia.
015191	01-May-04	ROUNDUP HERBICIDE	00052400445		NV	HC	It was windy day and a tenant in the apartment building sprayed the product. Unknown Adult (18-64 years old) Female washed her hair with the window open and dried dirt landed on top of her wet head. She reported itching, Chemical Burn, and Nausea.
015193	01-May-04	ROUNDUP W & G KILLER CONCENTRATE	07199500017		CA	HC	Unknown Adult (18-64 years old) Female reported Diarrhea. The woman cleaned a sprayer that was used to spray the diluted product.
015195	01-May-04	ROUNDUP READY-TO-USE W&G KILLER1	07199500023		IN	HC	Unknown Adult (18-64 years old) Male released air from the sprayer bottle and some of the product splashed into his right eye. He reported Blurred Vision.
015197	06-May-04	ROUNDUP HERBICIDE	00052400445		GA	HC	Unknown Adult (18-64 years old) Male reported Fever, Body Aches, and Diarrhea. Some of the product may have splashed on his skin and also inhaled it.
015198	07-May-04	ROUNDUP ORIGINAL HERBICIDE FROM MONSANTO	00052400445		TN	HC	Unknown Adult (18-64 years old) Female sprayed the product three to four days ago. She did not use a mask on a windy day. She reported

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
015207	17-May-04	ORTHO BASIC SOLUTIONS WEED & GRASS KILLER CONCENTRATE	07199500006 000239	VALRICO	FL	HC	Coughing, Malaise. A 29 year old Male put some of the product into a sprayer and mixed it with water. When he was spraying he got some of the product on his thumb. He reported Dermal Irritation/Pain, Cold Sores.
015262	07-Jun-04	WEED & GRASS KILLER	07199500008	KANSAS CITY	KS	HC	Unknown Adult (18-64 years old) Male reported Rash, Skin Burning
015317	01-Jun-04	ROUNDUP ORIGINAL	00052400445		MD	HC	Unknown Adult (18-64 years old) Male purchased a product and he added one quart of the product to 12 gallons of water. He sat in the back of a truck spraying the product while his wife drove. He reported Pain in his Head, and Intermittent Burning all over his Body.
015319	11-Aug-04	ROUNDUP W&G KILLER CONCENTRATE	07199500017		NY	HC	Unknown Adult (18-64 years old) Male used a trigger sprayer for about one hour to apply the diluted product. He states he got a small amount of the product on his hands that had some abrasions on them. He reported Tremors in his Hands.

Chemical: Glyphosate		103601		Human Incidents			
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
015320 001	01-Aug-04	ROUNDUP ORIGINAL	00052400445		HI	HC	Unknown Adult (18-64 years old) Female got product on her hands and later washed them. That evening she reported Difficulty Breathing, Burning and Itching.
015322 001	03-Jun-04	ROUNDUP ORIGINAL	00052400445		PA	HC	A 6 year old boy went to play at a neighbors house. The Father states that the child's ball went into the weeds where the product was recently applied. The boy reported Stomach Pain.
015324 001	28-Jun-04	ROUNDUP BRUSHKILLER CONCENTRATE	07199500017		AZ	HC	Unknown Adult (18-64 years old) Male sprayed the diluted product with the appropriate amount of water as listed on the label. He reported Back Pain and Blood in the Urine.
015321 001	25-Jun-04	ROUNDUP HERBICIDE	00052400445	HAWAII	HI	HC	Unknown Adult (18-64 years old) Male sprayed the product. The sprayer leaked on both hands 1-2 times. He reported Numbness, Swelling and Itching in Both Hands.
015372 001	12-Jul-04	CLEAROUT 41 PLUS	07082900003	WESTERN PENNSYLVANIA	PA	HC	A 16 year old Female reported working a near table where the product was spilled. She reported Inhalation, Dizziness, Shortness of Breath, Numbness, and Asthma.
015419 066	05-Jul-04	SEASON-LONG GRASS & WEED KILLER 1 GAL READY-TO-USE	00023902516	ROCKVILLE	MD	HC	Unknown Adult (18-64 years old) Female reported Headache, Nausea, 5 hours after using the product.

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
015495 001	01-Jul-04	ROUNDUP	00052400445		WI	HC	Someone sprayed her lawn with the product as a malicious act. A child was playing in the grass later after it was dry. One week later, a Child (3-8 years old) Reported Blue Fingertips, Lips and a Fever.
015497 001	01-Jul-04	ROUNDUP ORIGINAL HERBICIDE	00052400445		CA	HC	Unknown Adult (18-64 years old) Female spilled a bottle in the back of her car. She rinsed the seats off with a hose and then squeezed the water out of the sham with her hands. She reported Numb Fingertips.
015498 001	01-Jul-04	ROUNDUP W & G KILLER READY TO USE	07199500023		OH	HC	Unknown Adult (18-64 years old) Male sprayed some weeds along his driveway with the product. The wind blew some of the product back on his Leg. He reported Blisters on Legs.
015499 001	01-Jul-04	ROUNDUP	00052400445		LA	HC	Unknown Adult (18-64 years old) Male sprayed the product and the hose came loose. Some of the product got on his hands. He reported Blisters, Swelling, and Pain.
015501 001	01-Jul-04	ROUNDUP RTU W & G KILLER1	07199500023		NY	HC	Unknown Adult (18-64 years old) Male sprayed the formulation product. He reported Dermal Irritation/Pain.
015502 001	01-Jul-04	ROUNDUP RTU POISON IVY & TOUGH BRUSH KILLER	07199500032		OH	HC	A man reported Back Pain, Throat Pain, and Chest Pain after he

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
015505 001	01-Jul-04	ROUNDUP WEED & GRASS KILLER READY-TO-USE	07199500023		NC	HC	applied the product on a windy day.
015483 071	29-Aug-04	BASIC SOLUTIONS WEED AND GRASS KILLER	07199500027 000239	COLORADO SPRINGS	CO	HC	Unknown Adult (18-64 years old) Female reported Fluid-filled Blisters on Legs, Rash after the product was spilled.
015483 079	16-Aug-04	GROUND CLEAR COMPLETE VEGETATION KILLER CONCENTRATE	00023902657	IRVING	TX	HC	A 11 year old Child reported Hives/Welts all over her body while her mother treated their lawn with the product.
015535 001	18-Aug-04	ROUNDUP WEED & GRASS KILLER CONCENTRATE	07199500017		TX	HC	Unknown Adult (18-64 years old) Male reported Hives, Itchy Rash, and Swollen Lower Lip.
015541 001	01-Aug-04	ROUNDUP W & G KILLER SUPER CONCENTRATE	07199500018		CA	HC	Unknown Adult (18-64 years old) Male used the product off and on for six years. He applied the product on a windy day and reported Shortness of Breath.
015544 001	01-Aug-04	ROUNDUP HERBICIDE	00052400445		MI	HC	Unknown Adult (18-64 years old) Male used the product about 2 weeks ago. He reported Swollen Eyes.
							Unknown Adult (18-64 years old) Female applied the product using a pressure sprayer. The hose came loose and the left side of her Face and Body was splashed with the product. She reported Coughing, Bronchitis.

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
015545 001	01-Aug-04	ROUNDUP HERBICIDE	00052400445		FL	HC	Unknown Adult (18-64 years old) Female used the diluted product about one month ago. She opened the sprayer and no liquid was released, but is concerned with the air that was released from the sprayer. She reported Congestion later that evening. She was Diagnosed with Chronic Sinusitis.
015561 001	09-Sep-04	ROUNDUP PRO	00052400445		OR	HC	Unknown Adult (18-64 years old) Male used the product about one month ago. He may have splashed himself in the face with a drop of the product. He reported Edema, Fever, and Salivary Gland Swelling.
015562 001	27-Sep-04	ROUNDUP ORIGINAL HERBICIDE	00052400445		TX	HC	Unknown Adult (18-64 years old) Male sprayed the diluted product from his tractor. He reported Joint Pain.
015563 001	09-Sep-04	ROUNDUP WEED & GRASS KILLER CONCENTRATE	07199500026		NY	HC	Unknown Adult (18-64 years old) Male pulled some weeds in the garden where his wife sprayed the product the previous day. He reported Red Itchy Rash, Blisters
015565 001	13-Sep-04	ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE	07199500025		HI	HC	Unknown Adult (18-64 years old) Male sprayed the diluted product 10 days ago when it was windy. He reported Fatigue, Loss of Appetite.

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
015567 001	01-Sep-04	ROUNDUP READY TO USE W & G KILLER	07199500008		KS	HC	Unknown Adult (18-64 years old) Male used diluted product and got a small amount on his hands. He reported Tiny Lesions on his Hands, Swollen Fingers.
015568 001	09-Jan-04	ROUNDUP POISON IVY AND TOUGH BRUSH KILLER2 READY TO USE	07199500032		AL	HC	Unknown Adult (18-64 years old) Female sprayed the diluted product. She reported Coughing/Choking, Bronchitis
015569 001	01-Sep-04	ROUNDUP POISON IVY AND TOUGH BRUSH KILLER2 READY TO USE	07199500032		AL	HC	Unknown Adult (18-64 years old) Female mowed the grass and afterward she sprayed it with the diluted product. She wore shorts and reported Red and Swollen Skin, Blisters, Irritation/Pain.
015602 055	29-Sep-04	GROUND CLEAR COMPLETE VEGETATION KILLER CONCENTRATE	00023902657	CANAL FULTON	OH	HC	Unknown Adult (18-64 years old) Male used product 10 days ago when it was windy. Some of the product blew in his face that he wiped with his hands. He reported Blisters on Face.
015724 001	01-Oct-04	BUCCANEER	00052400445		MT	HC	Unknown Adult (18-64 years old) Male sprayed product. He pulled weeds that pierced his finger leaving a long cut. He reported Redness and Swollen Hand, Wrist.
015766 001	11-Oct-04	ROUNDUP WEED AND GRASS KILLER READY TO USE	07199500032		CA	HC	Unknown Adult (18-64 years old) Female reported sprayed the product and got some on her hands. She rubbed her eyes and reported Ocular Irritation/Pain.

Chemical: Glyphosate		103601		Human Incidents			
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
015792 001	01-Nov-04	ROUNDUP CONCENTRATE WEED & GRASS KILLER	07199500017		FL	HC	Unknown Adult (18-64 years old) Male used the diluted product. He wore shorts during the application and thinks he might have gotten some of the mist of the product on his legs. He reported Redness of Skin, Irritation, and Blisters.
015718 001	01-Oct-04	ROUNDUP READY TO USE WEED & GRASS KILLER	07199500026		FL	HC	Unknown Adult (18-64 years old) Male mixed the product and some of it got on his fingers. He rinsed his hands with water, but he may have rubbed his eyelids with his hand. He reported Swollen Face, Itchy Eyelids.
015784 009	15-Sep-04	ORTHO BASIC SOLUTIONS WEED & GRASS KILLER CONCENTRATE	07199500006 000239	PORTLAND	OR	HC	A 45 year old Male reported Rash, Pruritus after he sprayed the product that splashed on his hands.
015823 001	04-Dec-04	ROUNDUP READY TO USE WEED AND GRASS KILLER	07199500008		AZ	HC	The nozzle on the sprayer dripped some of the product on a man's hands. An Unknown Adult (18-64 years old) Male reported Blisters.
015903 004	17-Nov-04	BASIC SOLUTIONS WEED AND GRASS KILLER	07199500027 000239	HOMESTEAD	FL	HC	A 66 year old Male applied product and reported Skin Peeling.
015976 001	01-Jan-05	ROUNDUP READY TO USE POISON IVY & TOUGH BRUSH KILLER	07199500032		AZ	HC	Unknown Adult (18-64 years old) Male used the diluted product and did not wear any type of protective clothing at the time. Some of the product may have gotten some onto his skin. He reported Slurred Speech, Muscle In coordination, Diarrhea, and Difficulty

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
015987 001	06-Jan-04	ROUNDUP WEED & GRASS KILLER READY-TO-USE	07199500023		NC	HC	Concentrating.
015974 007	22-Jan-05	BASIC SOLUTIONS WEED AND GRASS KILLER	07199500027 000239		TX	HC	Unknown Adult (18-64 years old) Female treated crabgrass with the product on a windy day. She reported Ocular Irritation, Rash.
016117 002	01-Mar-05	ROUNDUP HERBICIDE	00052400445		CA	HC	Unknown Adult (18-64 years old) Female sprayed the product and reported Slurred Speech.
016117 004	01-Mar-05	ROUNDUP WEED & GRASS KILLER CONCENTRATE	07199500026		SC	HC	Unknown Adult (18-64 years old) Male reported Rash after some of the product spilled on his hand.
016117 005	01-Mar-05	ROUNDUP CONCENTRATE WEED & GRASS KILLER	07199500017		CA	HC	A man applied the product with a pump that was under pressure. Some of the product splashed into his eyes and on his Face. Unknown Adult (18-64 years old) Male reported Eye Irritation, Redness.

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
016117 006	01-Mar-05	ROUNDUP CONCENTRATE WEED & GRASS KILLER	07199500017		FL	HC	The woman initially had shoes on when the product was sprayed on the grass. She ran back and forth into and out of her house. Unknown Adult (18-64 years old) Female reported Burning Sensation, Lesions on her Feet, Pain.
016126 012	12-Mar-05	ORTHO BASIC SOLUTIONS WEED & GRASS KILLER CONCENTRATE	07199500006 000239		AZ	HC	A 52 year old Female reported a Chest Pain after she applied the product for about 5 hours.
016218 001	19-Apr-05	ROUNDUP WEED & GRASS KILLER1 SUPER CONCENTRATE	07199500018		CA	HC	Unknown Adult (18-64 years old) Male got some of the product on his hands as the bottle was leaking. He reported Peeling Hands, Burning Sensation On Skin, and Low Platelet Count.
016218 004	01-Apr-05	ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE	07199500025		MO	HC	Unknown Adult (18-64 years old) Male diluted product and sprayed dandelions for four hours. He reported Chest Pain, Nausea, Chills, and Diarrhea.
016218 005	01-Apr-05	ROUNDUP ULTRAMAX	00052400512		TN	HC	Unknown Adult (18-64 years old) Female reported Ocular Irritation/Pain, Redness, and Corneal Abrasions. She was at the golf course while they sprayed the product with a sprayer for weeds. The person carrying the sprayer accidentally triggered the spray directly into the woman's Face, Eyes, and on her Skin

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
016218 006	01-Apr-05	ROUNDUP	00052400445		VA	HC	Unknown Adult (18-64 years old) Male spilled the diluted product on his hands that he did not immediately wash. He reported Burning Sensation, Skin Peeling, and Redness.
016247 013	24-Apr-05	POWER FORCE GRASS & WEED KILLER 1 GAL READY-TO-USE	06776000061 072155	LAS VEGAS	NV	HC	Unknown Adult (18-64 years old) Female reported Rash on her Skin. Some of the product splashed on her skin and she didn't rinse it off.
016316 001	01-May-05	ROUNDUP W & G KILLER READY TO USE PLUS	07199500033		NC	HC	Unknown Adult (18-64 years old) Male applied the product on a windy day. He reported Pruritus, Rash.
016316 002	01-May-05	ROUNDUP POISON IVY & TOUGH BRUSH KILLER2 READY TO USE	07199500032		OR	HC	Unknown Adult (18-64 years old) Male used the product for about 15 minutes and reported Lung Secretions.
016316 003	01-May-05	ROUNDUP POISON IVY & TOUGH BRUSH KILLER2 READY TO USE	07199500032		MA	HC	Unknown Adult (18-64 years old) Male reported Lump behind his Ear, Sensitivity to Touch.
016316 007	01-May-05	ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE	07199500025		SC	HC	Unknown Adult (18-64 years old) Female mixed one capful of the product in her sprayer. The sprayer became clogged that she removed and some of the product got onto her skin of her Arms. She reported Weakness.
016316 008	01-May-05	ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE	07199500025		CA	HC	Unknown Male Child (4-16 years old) had some of the product splashed in his left eye when he took the lid off a pressurized

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
016318 001	18-Apr-05	ROUNDUP WEED & GRASS KILLER1 READY-TO-USE	07199500023		OH	HC	Unknown Adult (18-64 years old) Female used the product and got some of the product on her left hand. She reported Irritation, Redness, and Skin Peeling.
016318 002	11-May-05	ROUNDUP WEED & GRASS KILLER 1 SUPER CONCENTRATE	07199500018		TN	HC	Unknown Adult (18-64 years old) Female used the diluted product and accidentally stepped into a hole and inadvertently sprayed herself in the Face. She reported Coughing, Chest Pain, Aching, and Thick Mucous from Nose.
016318 003	18-Apr-05	ROUNDUP WEED & GRASS KILLER READY TO USE	07199500008		NM	HC	Unknown Adult (18-64 years old) Female reported Redness, Swollen, Eyelid is Peeling. The woman's son sprayed the weeds with the product several days earlier.
016318 009	14-May-05	NUFARM AQUANEAT AQUATIC HERBICIDE	00052400343		GA	HC	A truck carrying a diluted product parked behind a restaurant. An Adult (18-64 years old) Male reported Stomach Pain, Vomiting, and Shortness of Breath.
016352 239	11-May-05	SEASON-LONG GRASS & WEED KILLER 32OZ	00023902516	MISSION VIEJO	CA	HC	Unknown Adult (18-64 years old) Male used the product in the morning and reported Nausea, Vomiting, Dizziness/Vertigo.

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
016440 001	09-Jun-05	GLYFOS X-TRA HERBICIDE	00478700023		KY	HC	Unknown Adult (18-64 years old) Female applied the product and reported Swollen Throat, Edema.
016496 001	01-Jun-05	ROUNDUP ULTRA	00052400475		IL	HC	Unknown Adult (18-64 years old) Male sprayed the product and the wind blew it in his face. He reported Blisters, Itching, and Red Spots.
016499 001	18-Jun-05	ROUNDUP HERBICIDE	00052400445		OH	HC	A 74 year old Male reported Fever, Coughing, Blood in Stool, after a neighbor sprayed the product in his field.
016500 001	01-Jun-05	ROUNDUP ULTRAMAX	00052400512		CA	HC	Unknown Adult (18-64 years old) Male sprayed the diluted product in his yard. He reported Difficulty Breathing and was hospitalized.
016504 001	01-Jun-05	ROUNDUP ORIGINAL	00052400445			HC	Unknown Adult (18-64 years old) Male applied the product and reported Itching, Nausea, Vomiting, Chest Pain, Shortness of Breath.
016506 001	20-Jun-05	ROUNDUP ORIGINAL	00052400445		NC	HC	Unknown Adult (18-64 years old) Male reported Flash on Hand, Lungs, Clogged Sinuses, and Burning Eyes.
016508 001	01-Jun-05	ROUNDUP ULTRA	00052400475		IN	HC	Unknown Adult (18-64 years old) Male sprayed the diluted product for one hour. He got a small amount on his clothes. He reported Dizziness, Ataxia, and Numbness.
016509 001	29-Jun-05	ROUNDUP HERBICIDE	00052400445		MS	HC	Unknown Adult (18-64 years old) Male reported Chest Pain and Nausea after spraying the product.

Chemical: Glyphosate		103601 Human Incidents					
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
016512 001	01-May-05	ROUNDUP WEED & GRASS KILLER READY-TO-USE	07199500023		TN	HC	A 16 year old Male reported Dizziness, Chest Pain, and Nausea after using the product on some weeds.
016513 001	29-May-05	ROUNDUP WEED & GRASS KILLER1 READY-TO-USE	07199500023		MT	HC	A 45 year old Female used the product on multiple areas of her yard while she wore sandals and capri pants. She reported Itching, Redness, and Rash.
016514 001	01-Jun-05	ROUNDUP READY-TO-USE POISON IVY & TOUGH BRUSH KILLER PLUS	07199500036		TX	HC	Unknown Adult (18-64 years old) Male cut back bamboo and sprayed the stumps with the diluted product. He reported Dizziness, Sweating, and Weakness.
016522 001	16-Jun-05	ROUNDUP WEED AND GRASS KILLER READY TO USE	07199500008		NY	HC	Unknown Adult (18-64 years old) Female purchased a bottle of the product and left it on the floor of her vehicle. The bottle spilled on the floor of her vehicle. She reported Dizziness, Shortness of Breath, Chest Pain, and Tingling.
016523 001	01-Apr-05	ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE	07199500025		CA	HC	Unknown Adult (18-64 years old) Male used diluted product. The sprayer leaked onto his hands he was spraying it. He reported Skin Pain.
016530 161	07-Jul-05	SEASON-LONG GRASS & WEED KILLER 320Z	00023902516	PORTLAND	OR	HC	Unknown Adult (18-64 years old) Female reported Swelling, Redness, and Bumps.

Chemical: Glyphosate		103601		Human Incidents			
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
016542 001	17-Jun-05	ROUNDUP L & G READY-TO-USE GRASS & WEED KILLER	07199500008		PA	HC	A woman sprayed the product in the cracks of the bricks around her pool. The woman's children reported Blisters on Feet.
016543 001	24-Jun-05	ROUNDUP W & G KILLER CONCENTRATE	07199500017		MT	HC	Unknown Adult (18-64 years old) Male sprayed the product which splashed on his face and skin. He reported Shortness of Breath.
016546 001	12-Jun-05	ROUNDUP READY-TO-USE POISON IVY & TOUGH BRUSH KILLER PLUS	07199500036		MS	HC	Unknown Adult (-18-64 years old) Female reported Earache, Oral and Ocular Burning after inhaling the product.
016547 001	24-Jun-05	ROUNDUP WEED & GRASS KILLER CONCENTRATE	07199500017		MT	HC	Unknown Adult (18-64 years old) Male sprayed the product that splashed on his Face. He reported Fatigue, Dyspnea.
016589 001	02-Jul-05	GLYFOS X-TRA HERBICIDE	00478700023		TX	HC	A 75 year old Male's gloves and pants were soaked with the product due to a leak in the sprayer hose. He reported Blurred Vision, Itching, Burning Rash, Dizziness, and Confusion.
016681 001	01-Jul-05	ROUNDUP HERBICIDE	00052400445		MO	HC	Unknown Adult (18-64 years old) Male sprayed the product using a backpack sprayer and some of the product leaked onto his skin. He reported Lung Congestion.
016681 003	01-Jul-05	ROUNDUP READY TO USE W & G KILLER1	07199500023		AR	HC	Unknown Adult (18-64 years old) Female sprayed the product on a windy day. She reported Shortness of Breath, Blisters in her Mouth and

Chemical: Glyphosate		103601		Human Incidents			
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
016681 004	01-Jul-05	ROUNDUP READY-TO-USE W & G KILLER1	07199500023		CA	HC	Lips. A 6 year old Male Child played nearby while his Mother sprayed the product on a windy day. The Mother reported Dizziness, Nausea and her Child Collapsed and had a Seizure.
016681 005	01-Jul-05	ROUNDUP READY-TO-USE W & G KILLER1	07199500023		TX	HC	Unknown Adult (18-64 years old) Female stated that her friend sprayed the product 2 weeks ago on a driveway. She reported Rash, Blisters, and Swollen Hand.
16681 007	01-Jul-05	ROUNDUP W & G KILLER READY TO USE	07199500032		ID	HC	Unknown Adult (18-64 years old) Male used the product and got it on his hands. He later ate cake with his fingers and drank some water. He reported Chest Pain, Stomach Ache, and Shortness of Breath.
016681 008	01-Jul-05	ROUNDUP W & G KILLER READY TO USE	07199500032		GA	HC	Unknown Adult (18-64 years old) Male sprayed the product while wearing shorts on a windy day. He reported Rash on his Ankle, Stomach Pain, and Chest Pain.

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
016707 001	30-Jul-05	ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE	07199500025		OH	HC	Unknown Adult (18-64 years old) Male spent almost all day spraying a large area at home with the diluted product. He used a hand held sprayer to fill and refill the container many times. He reported Slight Swelling, Throat Pain, and Tightness in his Neck.
016707 002	15-Jun-05	ROUNDUP EXTENDED CONTROL WEED & GRASS KILLER 1 PLUS WEED PREVENTER	07199500021		NC	HC	Unknown Adult (18-64 years old) Female used the product and reported Malaise, Rash, Shortness of Breath, Nausea.
016707 004	17-Aug-05	ROUNDUP W & G KILLER1 SUPER CONCENTRATE	07199500018		AL	HC	Unknown Adult (18-64 years old) Male used the diluted product according to the package directions. He may have gotten some of the product on his skin. He reported Rash, Muscle Weakness, and Irritation.
016707 006	11-Aug-05	ROUNDUP HERBICIDE	00052400445		OR	HC	Unknown Adult (18-64 years old) Female sprayed the product in an orchard. She reported Malaise, Bloody Diarrhea, Abdominal Cramps, Achy Muscles and Chills.
016707 007	15-Jun-05	ROUNDUP PRO	00052400512		CA	HC	Unknown Adult (18-64 years old) Male sprayed a field. He reported Respiratory Problems, Pneumonia.
016707 009	22-Jul-05	MIRAGE	00052400445		AR	HC	Unknown Adult (18-64 years old) Female reported Itching, Redness, and Swollen Eyes after the product was applied.

Chemical: Glyphosate		103601 Human Incidents					
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
016707 011	15-Aug-05	ROUNDUP CONCENTRATE W & G KILLER	07199500017		CA	HC	Unknown Adult (18-64 years old) Female sprayed the diluted product. She reported Itching, Redness, and Burning Sensation.
016738 004	23-Aug-05	ACCORD XRT HERBICIDE	06271900517	MONTGOMERY	LA	HC	A 50 year old Male, who did not wear glasses, reported spraying the product for several hours. Did have mask on but not safety glasses. During the spraying some of the mist got on his face. He reported Testicular Pain, Nausea.
016784 001	09-Sep-05	ROUNDUP READY TO USE W & G KILLER1	07199500023		SC	HC	Unknown Adult (18-64 years old) Female was getting ready to spray the product and the handle broke off. The liquid spilled and she reported Ocular Irritation, Blurred Vision.
016786 001	29-Sep-05	ROUNDUP W & G KILLER SUPER CONCENTRATE	07199500025		MT	HC	Unknown Adult (18-64 years old) Male sprayed diluted product on a windy day. He reported Blisters on his Arms, Redness, and Burning Sensation.
016787 001	30-Sep-05	ROUNDUP W & G KILLER1 SUPER CONCENTRATE	07199500018		MS	HC	Unknown Adult (18-64 years old) Male applied the product and some of the spray blew in his face. He reported Sore Throat, Chest Pain.
016806 001	06-Sep-05	ROUNDUP WEED AND GRASS KILLER READY TO USE FROM MONSANTO	07199500008		FL	HC	Unknown Adult (18-64 years old) Female sprayed the diluted product around the house and fence line on a windy day. She reported Hives.

Chemical: Glyphosate		103601		Human Incidents			
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
016805 001	01-Jan-05	ROUNDUP WEED & GRASS KILLER CONCENTRATE	07199500026		KY	HC	Unknown Adult (18-64 years old) Female poured product from the bottle into a sprayer and it splashed on her hands. She reported Ocular Irritation, Burning Eyes, and Redness.
016848 001	15-Aug-05	GLYFOS X-TRA HERBICIDE	00478700023		ID	HC	Unknown Adult (18-64 years old) Male used the product on a Farm intermittently for the past (2) months. He reported Joint Pain.
016879 003	01-Jul-05	ROUNDUP WEED & GRASS KILLER1 READY-TO-USE	07199500023		OH	HC	Unknown Adult (18-64 years old) Male got some of the product on his fingers and thumb. He washed off the area with soap and water. He reported Rash.
016879 004	01-Oct-05	ROUNDUP HERBICIDE	00052400445		MI	HC	A 68 year old Male held a container of the product that leaked on his left hand. He reported Memory Loss, Blisters.
016879 005	01-Aug-05	GLY 4 PLUS	00052400454 072693		GA	HC	Unknown Adult (18-64 years old) Male applied the product. He wore protective clothing and showered after applying the product. He reported Blurred Vision, Dizziness.
016879 006	01-Oct-05	ROUNDUP W & G KILLER READY TO USE	07199500032		IA	HC	A Grandmother applied the product in her yard. She later allowed her grandson to play in the yard with a hose. The product may have gotten onto the child's skin. The grandson reported Fever, Vomiting

Chemical: Glyphosate		103601		Human Incidents			
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
016879 008	01-Oct-05	BUCCANEER PLUS	00052400454		KY	HC	Unknown Adult (18-64 years old) Male applied the product and reported Nausea, Vomiting, Dizziness.
016882 001	01-Nov-05	GLYSTAR PLUS	04275000061	PEORIA	AZ	HC	The product was applied at a trailer park and a Child (3-8 years old) Played nearby. The Child reported Convulsions, Fever.
016986 001	01-Aug-05	GLY 4 PLUS	00052400454 072693		AL	HC	Unknown Adult (18-64 years old) Male sprayed the product while wearing a dust mask. He reported a Chest Cold.
017078 001	01-Jun-05	ROUNDUP WEED & GRASS KILLER READY-TO-USE	07199500023		IN	HC	Unknown Adult (18-64 years old) Female used the product and reported Itchy Hands.
017263 001	01-Aug-05	ROUNDUP	00052400445		KS	HC	A park representative sprayed the sand for sand mites with the product. A Female Child (3-8 years old) walked across the sand at the local park. She reported Chemical Burn, Blisters, and Bacterial Infection.
017391 012	13-Apr-06	BASIC SOLUTIONS WEED AND GRASS KILLER	07199500027 000239		CA	HC	Unknown Adult (18-64 years old) Female used the product and reported Vomiting, Diarrhea.
017403 001	01-Apr-06	ROUNDUP W & G KILLER READY TO USE	07199500008		NC	HC	A 36 year old Male sprayed the product and reported Numbness, Tingling, Blurred Vision.
017403 005	27-Apr-06	ROUNDUP W & G KILLER READY-TO-USE	07199500033		AL	HC	Unknown Adult (18-64 years old) Female sprayed the product for thirty minutes and reported Malaise.

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
017403 006	01-Feb-06	ROUNDUP W & G KILLER READY TO USE	07199500032		NE	HC	Unknown Adult (18-64 years old) Male sprayed product on a windy day. He reported Rash on his Stomach, Arms and Legs.
017500 010	03-May-06	ORTHO SEASON LONG GRASS & WEED KILLER PULL N SPRAY RTU	00023902516		CA	HC	Used product two days ago, and a 62 year old Female reported Headache, Painful Neck, Photophobia, Oral Irritation, Vomiting
017500 019	07-May-06	BASIC SOLUTIONS WEED AND GRASS KILLER	07199500027 000239	BROWNSVILLE E	TX	HC	Unknown Adult (18-64 years old) Female used the product says that got on her hands. She reported Rash on Arms and Legs.
017500 045	23-May-06	ORTHO SEASON LONG GRASS & WEED KILLER PULL N SPRAY RTU	00023902516	NEWBERG	NY	HC	A 86 year old Female reported Erythema/Flushed, Rash, Swollen Face after pulling weeds in her yard that was applied the day before.
017500 049	24-May-06	ORTHO SEASON LONG GRASS & WEED KILLER PULL N SPRAY RTU	00023902516		OH	HC	Unknown Adult (18-64 years old) Female sprayed product. She reported Dermal Irritation/Pain, Rash, and Pruritus.
017538 001	21-May-06	SHOOTOUT WEED & GRASS KILLER 2	06776000048 009688	HENDERSON	TN	HC	A 28 year old Male used the product and experienced Bradycardia, Dizziness, Numbness.
017585 008	23-May-06	DURANGO HERBICIDE	06271900324	WAUSEON	OH	HC	Unknown Adult (18-64 years old) Male, who is a farmer, reported Skin Rash after he applied the product.
017620 036	14-Jun-06	ORTHO SEASON LONG GRASS & WEED KILLER PULL N SPRAY RTU	00023902516		CA	HC	A 61 year old Female reported Swelling Eyes after using the product in her yard yesterday.

Chemical: Glyphosate		103601 Human Incidents					
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
017620 063	21-Jun-06	ORTHO SEASON LONG GRASS & WEED KILLER PULL N SPRAY RTU	00023902516	WICHITA	KS	HC	A 4 year old Male Child was playing with a spray bottle. The child reported Hives on his Chest and Face.
017620 071	23-Jun-06	ORTHO SEASON LONG GRASS & WEED KILLER PULL N SPRAY RTU	00023902516		NY	HC	Unknown Adult (18-64 years old) Female sprayed the product for about an hour yesterday. She reported Vomiting, Belching, and Chest Pain.
017620 072	24-Jun-06	ORTHO SEASON LONG GRASS & WEED KILLER PULL N SPRAY RTU	00023902516		NJ	HC	Unknown Adult (18-64 years old) Male was sitting in a small room and fell asleep in a chair with the product that was leaking out of the bottle and onto the carpet. He reported Confusion.
017620 401	17-Jun-06	SEASON-LONG GRASS & WEED KILLER 32OZ READY-TO-USE	00023902516	PLEASANT GARDEN	NC	HC	Unknown Adult (18-64 years old) Female sprayed the product that got on her legs. She reported Blisters on her Legs.
017664 001	20-Jun-06	GLYFOS	00478700031	MANNING	SC	HC	Unknown Adult (18-64 years old) Male reported Eye Irritation. A tractor was struck by another vehicle and a tank ruptured. The man's body was drenched and the product got in his eyes.
017747 027	09-Jul-06	ORTHO SEASON LONG GRASS & WEED KILLER PULL N SPRAY RTU	00023902516	BENJI	CA	HC	Unknown Adult (18-64 years old) Male, who smoked while he the applied product on a windy day. He reported Vomiting, Diarrhea, Congestion, Coughing/Choking, Nausea, and Throat Irritation.

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
017797 001	24-May-06	ROUNDUP WEED & GRASS KILLER READY-TO-USE PLUS	07199500033		GA	HC	Unknown Adult (18-64 years old) Female got some of the product in her eyes while she applied it. She reported Ocular Irritation, Painful Eyelids.
017798 001	15-May-06	ROUNDUP WEED & GRASS KILLER READY-TO-USE	07199500032		MI	HC	Unknown Adult (18-64 years old) Male applied the product and felt the product blow in one of his eyes. He did not flush the eye immediately. The man reported Burning Sensation in one Eye, Swollen Eyelid.
017800 001	30-Apr-06	ROUNDUP PRO	00052400475		OH	HC	Unknown Adult (18-64 years old) Male used the product at his workplace. He reported Hives/Welts all over his body, Inflamed Feet, Sweating, and Severe Itching.
017801 001	30-May-06	ROUNDUP WEED & GRASS KILLER1 READY-TO-USE	07199500023		AL	HC	Unknown Adult (18-64 years old) Female was discarding a container of the product and some splashed into her eyes. She reported Eye Irritation, Redness, and Corneal Abrasion.
017802 001	10-May-06	ROUNDUP	00052400445		ID	HC	A 70 year old Male accidentally sprayed himself in the eyes with the product. He reported Ocular Irritation, Corneal Abrasion.

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Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
017804 001	26-May-06	ROUNDUP	00052400445		PR	HC	Unknown Adult (18-64 years old) Female did not wear any protective clothing. The woman poured the packet into a gallon bucket and used her hands to grab water out of bucket and splash it on the weeds. She did not go inside and wash her hands. She reported Rash, Blisters, Pruritus, and Redness.
017805 001	02-May-06	ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE	07199500025		KY	HC	Unknown Adult (18-64 years old) Female spilled some of the product on her hands while transferring it to the sprayer. She states she had several minor cuts on her hands that were several days old and this product may have gotten into these cuts. She reported Abdominal Cramping, Diarrhea, and Blood in Stool.
017809 004	23-May-06	RASCAL PLUS	00052400454		OH	HC	Unknown Adult (18-64 years old) Male used the product that got under his rubber glove that he was used. He reported Blisters, Rash.
017809 007	18-Jun-06	ROUNDUP WEED & GRASS KILLER READY-TO-USE	07199500032		IA	HC	Unknown Adult (18-64 years old) Female was exposed after some of the product splashed into one of her eyes. She splashed some water into her eye at the time of the exposure. She reported Burning Sensation, Eye Irritation, and Redness.

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
017809 008	06-Jun-06	ROUNDUP WEED & GRASS KILLER READY-TO-USE	07199500032		PA	HC	Unknown Adult (18-64 years old) Female used the product and accidentally sprayed a little into her eye. She reported Burning and Painful Eyes.
017809 009	04-Jun-06	ROUNDUP READY-TO-USE EXTENDED CONTROL WEED & GRASS KILLER PLUS WEED PR	00024100425 071995		OK	HC	Unknown Adult (18-64 years old) Male sprayed the diluted product and some of it blew back on his legs. He reported Numbness.
017828 001	07-Jul-06	ROUNDUP READY-TO-USE POISON IVY & TOUGH BRUSH KILLER PLUS	07199500036		SC	HC	Unknown Adult (18-64 years old) Female used the product for 45 minutes. She reported Dehydration, Diarrhea.
017829 001	08-Jul-06	ROUNDUP CONCENTRATE WEED & GRASS KILLER1	07199500017		VA	HC	Unknown Adult (18-64 years old) Female mixed the product and as she unscrewed the top of the pressurized sprayer she inhaled some of the fumes. She reported Coughing.
017857 001	07-Aug-06	GLYFOS	00478700031	CEDAR CITY	UT	HC	A 75 year old Male was accidentally exposed to product when a hose ruptured due to a clogged line. The product splashed into his face. He reported Vomiting, Bloating, Nausea, Lethargy, Hematemesis.
017863 055	11-Jul-06	ORTHO SEASON LONG GRASS & WEED KILLER PULL N SPRAY RTU	00023902516	GREAT FALLS	MT	HC	Unknown Adult (18-64 years old) Female reported Blisters, Pruritus, Erythema, and Skin Peeling. She applied the product outside and some of the liquid splashed on her skin and her foot.

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
017967 001	07-Jul-06	ROUNDUP	00052400445		LA	HC	A woman's son sprayed all over her greenhouse. The grass/weeds were at least one foot high in the area. The woman was in the area while he was sprayed the product. She walked and worked in the area for quite sometime while she wore her shoes and socks. The woman reported Redness, Swelling.
017970 001	14-Sep-06	ROUNDUP WEED & GRASS KILLER READY-TO-USE PLUS	07199500033		AZ	HC	Unknown Adult (18-64 years old) Male applied the product and some of it got on his hands. He did not immediately wash his hands. He reported Shortness of Breath, Chest Pain, and Anxiety.
017972 001	01-Jun-06	RODEO	00052400343		OH	HC	Unknown Adult (18-64 years old) Male applied the product. He reported a Headache and other symptoms at the time. Two months later he reported Low Blood Counts.
017974 001	01-Aug-06	ROUNDUP WEED & GRASS KILLER READY-TO-USE	07199500032		NY	HC	Unknown Adult (18-64 years old) Female sprayed the product for about 15 minutes around her patio with flip flops on. She reported Burning Sensation, Pruritus, Blisters, and Redness.
017976 001	07-Jun-06	ROUNDUP WEED & GRASS KILLER1 READY-TO-USE	07199500023		TX	HC	Unknown Adult (18-64 years old) Female used the product on a windy day. She reported Muscle Spasms and Cramping in her Arms. The PCC reported that exposure to

Chemical: Glyphosate		103601 Human Incidents					
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
018011	28-May-06	ROUNDUP CONCENTRATE WEED & GRASS KILLER1	07199500017		CA	HC	the product was unrelated to the woman's symptoms. Unknown Adult (18-64 years old) Male sprayed the product. When he finished spraying he washed his hands immediately. Several days later, he reported Red Spots on Both Hands.
018012	01-Sep-06	ROUNDUP CONCENTRATE WEED & GRASS KILLER1	07199500017		VT	HB	Unknown Adult (18-64 years old) Male owns a small Christmas tree farm. He sprayed the product using a backpack sprayer around the trees and down the rows. He wore rubber boots when spraying and does not remember the actual spraying being eventful or what he thought to be dangerous. At the time of the call to the PCC he stated that he was sick for the past several weeks. He was very active and worked a lot prior to becoming ill. The man reported Lightheadedness any time he stands up. He has also been very sick to his stomach. PCC discussed the product toxicity and advised the symptoms are not consistent with appropriate use of the containing product.

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
018013 001	29-Oct-06	ROUNDUP READY-TO-USE WEED & GRASS KILLER	07199500008		CA	HC	Unknown Adult (18-64 years old) Female was working in her yard using the product. About an hour after she finished applying the product she reported Eye Irritation, Redness.
018364 011	23-Feb-07	BASIC SOLUTIONS WEED AND GRASS KILLER	07199500027 000239		FL	HC	Unknown Adult (18-64 years old) Female sprayed the product in her yard. The woman reported Dermal Irritation, Bullae/Blisters, and Erythema.
018485 001	01-Apr-07	ROUNDUP READY-TO-USE WEED & GRASS KILLER	07199500008		PA	HC	Unknown Adult (18-64 years old) Male used the product (2) days ago. He does not remember any direct contact with the product to skin or by mist. He reported Rash, Redness, Pruritus, and Numbness. The PCC discussed the product Toxicity and advised the symptoms are unrelated. Recommend to continue follow up with their Physician.
018486 001	05-Apr-07	ROUNDUP WEED & GRASS KILLER1 READY-TO-USE	07199500023		MO	HC	A 60 year old Male reported Bradycardia and Hypotension after product use.
018488 001	29-Mar-07	ROUNDUP WEED & GRASS KILLER READY-TO-USE PLUS	07199500033		FL	HC	A 17 year old Male sprayed the product (3) weeks on her mother's yard. He reported a Chest Pain, Wheezing. The Child is Bipolar and prescribed Depakote and Adderall. PCC discussed the product Toxicity

Chemical: Glyphosate		103601 Human Incidents					
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
018489 001	15-Apr-07	ROUNDUP CONCENTRATE WEED & GRASS KILLER1	07199500017		WI	HC	and advised the symptoms are not related to the use of the product.
018490 001	24-Apr-07	ROUNDUP READY-TO-USE EXTENDED CONTROL WEED & GRASS KILLER PLUS WEED PR	00024100425 071995		MT	HC	Unknown Adult (18-64 years old) Male applied the product with a metal sprayer and a mist came out of it. He reported Chest Congestion, Difficulty Breathing.
018492 001	30-Apr-07	ROUNDUP READY-TO-USE WEED & GRASS KILLER	07199500008		IL	HC	Unknown Adult (18-64 years old) Female used the product and the nozzle would not work so she changed it. The product splashed in her face and hair and in her right eye. She reported Swollen Eyelid, Ocular Irritation.
018494 001	16-Apr-07	ROUNDUP	00052400445		FL	HC	Unknown Adult (18-64 years old) Female reached for the bottle of the product in her garage. The cap was loose on the container and some of it splashed in her Face, Mouth, and Eyes. She reported Eye Irritation, Eye Burning, and Eye Infection. Unknown Adult (18-64 years old) Male played golf at a course and reported Weakness and Dizziness. The product was previously applied to the course.

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
018599 068	28-May-07	KGRO GRASS & WEED KILLER (READY-TO-USE)	07199500010 073327		OR	HC	Husband sprayed product while he wore shorts and sandals. He reported Diarrhea, Vomiting.
018631 001	27-May-07	ROUNDUP	00052400445		MO	HC	Unknown Adult (18-64 years old) Male who is a farmer applied the product. He reported Chest Pain, Difficulty Breathing.
018632 001	26-Apr-07	ROUNDUP READY-TO-USE EXTENDED CONTROL WEED & GRASS KILLER1 PLUS WEED P	07199500021		NC	HC	Unknown Adult (18-64 years old) Male sprayed diluted product with some unprotected areas on his legs. He reported Redness, Swollen.
018634 001	06-May-07	ROUNDUP WEED & GRASS KILLER READY-TO-USE PLUS	07199500033		ID	HC	Unknown Adult (18-64 years old) Female sprayed the product on a windy day. She reported Swollen Eyelids, Eye Infection.
018635 001	10-May-07	ROUNDUP READY-TO-USE EXTENDED CONTROL WEED & GRASS KILLER1 PLUS WEED P	07199500021		SC	HC	Unknown Adult (18-64 years old) Male used the product that splashed in his Face from the nozzle. He reported Ocular Irritation.
018639 001	29-May-07	ROUNDUP READY-TO-USE WEED & GRASS KILLER	07199500008		FL	HC	Unknown Adult (18-64 years old) Male sprayed the product 3-4 days ago and it had turned the plants yellow. About one hour ago he was pulling the weeds and he got distracted and rubbed his eyes with his hands prior to washing them. He reported Redness, Eye Irritation.

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
018640 001	01-Jul-06	ROUNDUP	00052400445		GA	HC	Unknown Adult (18-64 years old) Male reported Redness, Eye Irritation. Some of the product blew in his eyes on a windy day.
018718 005	13-Jun-07	POWER FORCE GRASS & WEED KILLER 1 GAL RTU	06776000061 072155	ELGIN	IL	HC	A 64 year old Female reported Pruritus, Rash. She wiped her husband's boots off after he wore them to while he applied the product.
018726 001	26-May-07	GLYPHOSATE CONCENTRATE	00478700035	OXFORD	NC	HC	Unknown Adult (18-64 years old) Male applied the product and reported Rash, Fever, Joint Pain, Joint Swelling.
018732 046	10-Jun-07	KGRO GRASS & WEED KILLER 1 (READY-TO-USE)	07199500027 073327		CA	HC	Unknown Adult (18-64 years old) Male used the product on his lawn and did not wear gloves. He reported Dermal Irritation, Erythema, and Edema.
018767 006	18-Jun-07	ROUNDUP WEED & GRASS KILLER READY-TO-USE	07199500033		GA	HC	Unknown Female Child (4-10 years old) sprayed herself in the eyes with the product. She reported Ocular Irritation, Eye Swollen, and Redness.
018767 007	10-Jun-07	ROUNDUP WEED & GRASS KILLER READY-TO-USE	07199500032		MI	HC	Unknown Adult (18-64 years old) Female used the product at home and got the product on both of her feet and part of her legs. She reported Itching, Redness, and Swelling.

Chemical: Glyphosate		103601 Human Incidents					
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
018767 008	25-Jun-07	ROUNDUP WEED & GRASS KILLER READY-TO-USE	07199500032		KY	HC	A 52 year old Male reported Facial Edema and was treated at a hospital. The patient worked for about (4) hours with the product.
018767 009	13-Jun-07	ROUNDUP WEED & GRASS KILLER READY-TO-USE	07199500032		IN	HC	Unknown Adult (18-64 years old) Female spilled some of the product on her foot. She reported Rash, Peeling Skin.
018767 010	04-Jun-07	ROUNDUP WEED & GRASS KILLER SUPER CONCENTRATE	07199500025		MD	HC	Unknown Adult (18-64 years old) Male got some of the product in both of his Eyes when he mixed the product. He reported Ocular Irritation, Blurred Vision, and Corneal Abrasion.
018818 008	19-Jun-07	ORTHO TOTAL KILL WEED & GARDEN KILLER CONCENTRATE HERBICIDE	07199500007 000239	ALBUQUERQUE	NM	HC	Unknown Adult (18-64 years old) Male reported that his neighbor spilled the product near their air conditioner. He reported Coughing, Respiratory Irritation, Headache, Chest Tightness, and Wheezing.
018818 023	08-Jul-07	ORTHO TOTAL KILL WEED & GARDEN KILLER CONCENTRATE HERBICIDE	07199500007 000239		TX	HC	Unknown Adult (18-64 years old) Male used the product for about 4 hours. He used a mask and goggles when he applied the product on a hot day. He reported Redness, Swollen Eye.
018818 076	16-Jul-07	BASIC SOLUTIONS WEED AND GRASS KILLER	07199500027 000239	DENVER	CO	HC	Unknown Adult (18-64 years old) Female applied the product for several weeks. She did not wear the proper personal protective equipment every time she uses the

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
018859 001	01-Jul-07	ROUNDUP WEED & GRASS KILLER READY-TO-USE	07199500032		TX	HC	product. She reported Rash, Pruritus, Hives/Welts, Bullae/Blisters.
018860 001	01-Jul-07	ROUNDUP WEED & GRASS KILLER1 READY-TO-USE	07199500023		GA	HC	Unknown Adult (18-64 years old) Female used the product. She inadvertently spilled a significant amount of the liquid all over her hands. She reported Tremor.
018862 001	13-Jul-07	ROUNDUP WEED 7 GRASS KILLER READY-TO-USE	07199500032		NJ	HC	Unknown Adult (18-64 years old) Female used the product off and on for the past three months. She wears gloves when spraying, but the nozzle leaks and the liquid runs down the hose that touches her leg. She reported Numbness, Tingling.
018863 001	10-Jul-07	ROUNDUP READY-TO-USE EXTENDED CONTROL WEED & GRASS KILLER1 PLUS WEED P	07199500021		TN	HC	Unknown Adult (18-64 years old) Female used the product. She sprayed the product on and around the driveway on a hot day. She reported Chest Tightness, Pain.
							Unknown Adult (18-64 years old) Female sprayed the product and some got into her eye. She reported Ocular Irritation, Corneal Abrasion, and Blisters on her Eye.

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
018865 001	24-Jul-07	ROUNDUP WEED & GRASS KILLER READY-TO-USE	07199500032		MO	HC	Unknown Adult (18-64 years old) Female got a small amount of the product on her Face. The patient was diagnosed with Dehydration, Low Sodium, and Potassium.
018868 001	02-Jul-07	ROUNDUP HERBICIDE	00052400445		SC	HC	A 39 year old Female got sprayed in the eyes with the product while at work. She reported Ocular Irritation, Corneal Abrasion, and Irritation/Pain.
018869 001	31-Jul-07	ROUNDUP WEED & GRASS KILLER READY-TO-USE PLUS	07199500033		WA	HC	Unknown Adult (18-64 years old) Female sprayed the product for about 45 minutes. After spraying the product some of it dripped on her hand. She reported Chest Tightness, Hoarseness, and Tingling Hands.
018870 001	17-Jun-07	TOTAL KILL PRO	00052400536			HC	Unknown Adult (18-64 years old) Male, who has a history of heart attacks, reported Dyspnea, Wheezing, Chest Tightness, and Severe Headache. The product spilled near his air conditioner outside.
018875 001	23-Jul-07	ROUNDUP HERBICIDE	00052400445		TX	HC	Unknown Adult (18-64 years old) Male applied the product which got on his pants. He continued to work and did not wash off the product for about 3-4 hours. He reported a Rash on his Scrotum.

Chemical: Glyphosate		103601		Human Incidents			
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
018876 001	12-Jun-07	ROUNDUP WEED & GRASS KILLER READY-TO-USE	07199500032		NY	HC	Unknown Adult (18-64 years old) Male was exposed while at work after someone sprayed a fence line with the product. He was nearby and felt some of the product get in his mouth. He reported Coughing, Sore Throat, and Difficulty Breathing.
018912 001	28-Aug-07	CREDIT SYSTEMIC HERBICIDE	07136800020		NY	HC	A 15 year old Male applied the product on a tree farm and the product splashed in his face. He reported Redness, Eye Swelling, Dermal Irritation, Corneal Abrasion, and Congestion.
018951 001	13-Aug-07	ROUNDUP WEED & GRASS KILLER READY-TO-USE PLUS	07199500033		LA	HC	Unknown Adult (18-64 years old) Male sprayed the product. He was diagnosed by his physician with an Upper Respiratory Tract Infection.
018957 001	01-Aug-07	ROUNDUP WEED & GRASS KILLER1 READY-TO-USE	07199500023	OZARKS		HC	A 73 year old Female sprayed her friend's driveway with the product and she did not wash after spraying. She reported a Rash.
018958 001	01-Aug-07	ROUNDUP SUPER CONCENTRATE WEED & GRASS KILLER 1	07199500018		NY	HC	Unknown Adult (18-64 years old) Male sprayed the product on his lawn. He reported Nausea, Dizziness, Fatigue and High Blood Pressure.
018963 001	01-Aug-07	ROUNDUP HERBICIDE	00052400445		FL	HC	Unknown Adult (18-64 years old) Male was nearby while a person applied the product on the side of a highway. He reported a Burning

Chemical: Glyphosate		103601 Human Incidents					
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
019066	001 18-Sep-07	ROUNDUP WEED & GRASS KILLER1 READY-TO-USE	07199500023		NY	HC	Throat and Lungs. Unknown Adult (18-64 years old) Female used the product for the first time for thirty minutes. She reported Burning Eyes, Itchy Skin.
019068	001 01-Jun-07	ROUNDUP HERBICIDE	00052400445		TN	HC	Unknown Adult (18-64 years old) Male, applied the product with a tank sprayer during the summer. He reported Chronic Coughing.
019186	001 13-Oct-07	ROUNDUP HERBICIDE	00052400445		GA	HC	A 73 year old Female used the product on the area around her pond that she cannot cut. She diluted the product and mixed it herself. She reported a Rash, Swollen Eyes.
019189	001 01-Sep-07	ROUNDUP WEED AND GRASS KILLER CONCENTRATE	07199500017		CA	HC	Unknown Adult (18-64 years old) Male used a back pack sprayer to apply the product. The back pack was leaking and the liquid ran down his back and pants. The man, who has a history of Diabetes, was diagnosed by a physician with Chemical Burns.

Chemical: Glyphosate**103601****Human Incidents**

Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
019244 001	08-Nov-07	ROUNDUP READY-TO-USE WEED & GRASS KILLER	07199500008		AZ	HC	A 39 year old Male purchased a bottle of a product and was transporting it in the front seat of his vehicle. The bottle spilled on his pants that removed about an hour later. He reported Peeling Skin.
019337 001	27-Nov-07	SHOOTOUT WEED & GRASS KILLER CONCENTRATE	06776000046 009688	FAYETTEVILLE	AR	HC	A 76 year old Male got the product on his hands. He reported Red Hands, Tingling Skin.
019363 001	01-Jun-07	POWER FORCE GRASS & WEED KILLER 1 GAL RTU	06776000061 072155	CINCINNATI	OH	HC	A 79 year old Male applied the product on his lawn and reported Erythema/Flushed, Pruritus.
019537 001	01-Nov-07	ROUNDUP HERBICIDE	00052400445		MD	HC	Unknown Adult (18-64 years old) Male was exposed to the product. The patient wore gloves but the product leaked through the gloves on his skin. He reported a Burning Sensation, Rash on both of his Hands, and Right Wrist.
019541 001	01-Mar-08	ROUNDUP WEED AND GRASS KILLER READY TO USE PLUS	07199500033		CA	HC	Unknown Adult (18-64 years old) Male used the product and reported Coughing, Twitching on the Left side of his body.
019726 001	01-Mar-08	ROUNDUP HERBICIDE	00052400445		HI	HC	Unknown Adult (18-64 years old) Male mixed the product got some of it on his hands. He reported Reddish Brown Hands, Discoloration, and Sensitive Skin.
019727 001	03-Jun-08	ROUNDUP PRO	00052400475		CA	HC	Unknown Adult (18-64 years old) Male, who is a landscaper, got the product in his eyes. He reported

Chemical: Glyphosate		103601 Human Incidents					
Incident Number	Incident Date	Product Name	Registration Number	City	State	Exposure Type*	Incident Description
							Redness, Eye Irritation.



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R167934

Chemical Name: Glyphosate-isopropylammonium

PC Code: 103601

HED File Code: 15000 Incident Reviews

Memo Date: 2/26/2009

File ID: 00000000

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HED Records Reference Center
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