WORK AND SAFETY PLAN

Cooperative STS and Eradication Spongy Moth Project For Indiana – 2024

This Work and Safety Plan covers the spongy moth Slow The Spread (STS) and Eradication cooperative treatment project, which is represented by an Environmental Assessment document, Decision Notice & Finding of No Significant Impact (FONSI) document, Economic Analysis, and Analysis of Moth Populations for each project. Yellow highlighted Text is Contractor responsibility. Green highlighted text is DNR responsibility. Light blue highlighted text is mutual responsibility.

1.0 Personnel / Organization

- This project is conducted by the Indiana Department of Natural Resources (Division of Entomology and Plant Pathology and the Division of Forestry) with cooperation from the USDA, Forest Service.
- STATE ENTOMOLOGIST Overall responsibility for the project under Indiana law with authority to initiate and stop the project at any time.
- STATE FORESTER Provides cooperation with the State Entomologist and USDA Forest Service to conduct the project.
- OPERATIONS BASE COORDINATOR (mating disruption) Coordinates activities of treatment site observers; maintains radio contact with contractor and treatment site observers; approves start of application to the treatment site and release of the pilot to go to the next treatment site and records all activities of the treatment site.
- CENTRAL COMMUNICATIONS OFFICER Receives and responds to phone calls from the 800 number; maintains conference call to treatment site observers, treatment site coordinators and load site observer; monitors weather radars; maintains call list of people requesting notification for health reasons; coordinates with Division of Communications for press releases; and prepares and reviews the environmental assessment.
- CONTRACTOR Responsible to know and meet all state and federal regulations
 regarding treatment material use and aerial application; comply with specifications of
 the contract; to provide a safety plan for spills and safety equipment for their
 employees; to provide security for aircraft and treatment materials, and to conduct pre
 application safety meeting and fly over of the site.
- FOREST HEALTH SPECIALIST (PROGRAM SUPERVISOR) Provides supervision of the project; prepares and reviews the environmental assessment; assists with public meetings; prepares and assists with treatment and contract; assists with biological evaluation; and administers and enforces work and safety plan.

- CONTRACT AND MAPPING OFFICER Provides GIS support for the project; creates maps of the treatments sites; coordinates submittal of project contract (Btk); assists Program Supervisor with contract reviews and updates; assists Central Communications Officer with press releases.
- SAFETY OFFICER The Program Supervisor serves as the primary Safety Officer. The Central Communications Officer and Contract & Mapping Officer assist in the review of safety procedures.
- LOAD SITE OBSERVER Observes and records mixing and loading of treatment material; performs check of treatment equipment on aircraft for compliance with contract specifications; records amount of treatment material loaded and remaining after application; views digital application files for accuracy of application & advise applicator of any errors or problems; records other data on aircraft and pilot conducting each application; and coordinates project communications among treatment site observers, treatment site coordinators and other staff involved in the treatment. Also serves as Treatment Site Coordinator when project is considered small, and duties can be combined.
- TREATMENT SITE COORDINATOR Conducts activities of treatment site observer; coordinates activities of treatment site observers; maintains radio contact with contractor and observers; approves start of application to the treatment site and release of the pilot to go to the next treatment site and records all activities of the treatment site. Serves as Load Site Observer when a project is considered small, and duties can be combined.
- TREATMENT SITE OBSERVER Monitors aerial application of treatment material from the ground; observes aircraft for proper operation of treatment equipment; documents and reports defective nozzle operation; sets and retrieves spray deposit cards(if used) or monitors vehicles and other objects for spray deposition; records weather information (temperature, humidity and wind speed) and foliage expansion; records start and completion time of application; maintains radio contact with applicator; and communicates to people within treatment site.
- NURSERY INSPECTORS AND COMPLIANCE OFFICERS Provides supervision of the project in conjunction with the Forest Health Specialist; conducts and assists with public meetings and public notification; conducts biological evaluation of sites; gathers site information for environmental assessment; assists in defining treatment boundaries; conducts pretreatment assessments for boundaries and aerial safety concerns; assists with work and safety plan; conducts treatments serving as treatment site observer and/or treatment site coordinator; monitors treatment progress; answers phone calls and monitors weather radar.

The State Entomologist is responsible for administering the treatment project and this work and safety plan. The use of 'state agent' in this plan refers to the personnel listed above.

2.0 Treatment areas

The Indiana Department of Natural Resources (IDNR), Division of Entomology & Plant Pathology (DEPP) and Division of Forestry (DoF), proposes a cooperative project with the United States Department of Agriculture, Forest Service, State & Private Forestry (USFS S&PF) to treat the spongy moth populations within the Slow-the-Spread (STS) action area and non-infested area. The proposed treatments are described in Table 1, Table 3, and Appendix B. A total of 30,648 acres (1,115 Btk acres and 29,533 mating disruption acres) are proposed for this project.

2.1. Description of the proposed treatment sites

The five proposed treatment sites in seven counties in the STS Action Area and non-infested area are determined based on the trapping surveys, STS analysis, egg mass surveys and available habitat (See Analysis of Moth Populations).

Each proposed treatment site was described based on the number of acres, % of tree canopy within the site, previous treatments, the presence of schools, land use, presence of water sources, potential aerial safety hazards, presence of egg masses, tree composition and other areas of potential concern.

See Table 3 and the additional information below for site descriptions.

Table 1: Proposed cooperative 2024 spongy moth treatments in Indiana. A total of 1,115 acres are being proposed for Btk treatment. Btk treatments will have two applications at a rate of 25 cabbage looper units (CLU) per acre. A total of 29,533 acres are being proposed for mating disruption (MD) treatment. MD treatments are applied once at a rate of 6g per acre. All proposed treatment sites have the goal of eliminating or decreasing reproducing spongy moth populations.

County	Site Name	Proposed	Application	Applications	Acres
		Treatment	Rate/acre		
Adams	Berne Btk 24	Btk	25 CLU ¹	2	497
Wabash	North Manchester Btk	Btk	25 CLU ¹	2	618
	24				
			Total Btk		1,115
Huntington/Allen/	Roanoke MD 24	Mating	6 g ²	1	13,137
Whitley		disruption	Οg	L L	15,157
Starke	Winona MD 24	Mating	6 g ²	1	10,272
		disruption	υg	Ţ	10,272
Wayne	Richmond MD 24	Mating	6 g ²	1	6 1 2 4
		disruption	o g-	1	6,124
			Total MD		29,533

¹CLU= Cabbage looper units

² grams of disparlure (spongy moth mating pheromone)

Table 3: Descriptions of the 2024 proposed spongy moth treatment sites. Maps of proposedtreatment sites are in Appendix B.

County	Site Name	Acres	Approx % tree canopy	Previous treatment	Land usage *	Water sources	Aerial hazards	Egg masses found
Adams	Berne Btk 24	497	15%	No	N, A, R, B	Yes	No	No
Wabash	North Manchester Btk 24	618	84%	No	N, A, R, B	Yes	Yes	Yes
Huntington/ Allen/ Whitley	Roanoke MD 24	13,137	16%	No	N, A, R, B	Yes	Yes	No
Starke	Winona MD 24	10,272	34%	No	N, A, R, B	Yes	Yes	No
Wayne	Richmond MD 24	6,124	53%	Yes	N, A, R, B	Yes	No	No

*N = Natural, A = Agricultural, R = Residential, B = Business

ADAMS COUNTY

Berne Btk 24

• The site contains 497 acres.

• Tree species composition includes oak, maple, hickory, walnut, cottonwood, basswood, crabapple, spruce, and other hardwoods.

- No egg masses were found in the site.
- The site contains woodlots, agricultural fields, residences, and businesses.

• The site has had no prior treatment.

Hazards

• There are no known aerial hazards in the site.

Area Churches and Schools

• There are no churches or schools in the site.

Other areas of concern including water sources

- There are several ponds in the site.
- A drainage ditch starts in a woodlot in the southeast corner of the site flowing west and exiting the site (Wabash River drainage).

• There is a nursery stock grower (GrowJoy, Inc.) in the center of the site at 2952 W 500 S, Berne, IN.

WABASH COUNTY

North Manchester Btk 24

•The site contains 618 acres.

• Tree species composition includes oak, maple, beech, hickory, walnut, basswood, pine, spruce, and other hardwoods.

- Egg masses were found in the site.
- The site contains woodlots, agricultural fields, residences, and businesses.
- The site includes portions of the Town of North Manchester.
- The site has had no prior treatment.

Hazards

• There is a water tower on the west boundary of the site in Warvel Park.

Area Churches and Schools

- The site includes Manchester University campus.
- Manchester Jr-Sr High School is adjacent to the west boundary of the site.
- Manchester Elementary School is approximately 0.25 miles south of the site.
- There are many churches and day care centers within the site.
- Other areas of concern including water sources
- The site includes Eel River along the east boundary and across the southeast corner.
- Warvel Park is in the west portion of the site.

HUNTINGTON, ALLEN & WHITLEY COUNTIES Roanoke MD 24

• The site contains 13,137 acres.

• Tree species composition includes oak, maple, beech, hickory, walnut, cottonwood, basswood, crabapple, willow, pine, spruce, and other hardwoods.

- No Egg masses were found in the site.
- The site contains woodlots, agricultural fields, residences, and businesses.
- A portion of the Town of Roanoke is in the southern boundary of the site.
- The site has had no prior treatment.

Hazards

*Bald eagle nests were identified near the NE and SE boundaries of the site.

• Indiana Michigan Power has a large substation that is bisected by the eastern boundary of the site. The substation has several transmission lines feeding into it.

• There is a transmission line running diagonally from the north-central portion of the site to the substation in the east-central portion of the site ~200' towers.

• There are four separate transmission lines entering the southeastern portion of the site and running to the substation in the northeastern corner of the site.

 \bullet There are three large radio towers along US24 just outside the northeast corner of the site, ~500' towers

- There are two cell phone towers in the central portion of the site on the west side of Huntington CR 300 E, ~300' towers
- There is a cell phone tower outside the eastern boundary of the site near the Indiana Michigan Power substation, ~200' tower

• There is a water tower inside the south-central portion of the site on the northwest side of Roanoake, ~150' tower

 \bullet There is a water tower outside the south-central boundary of the site, ~150' tower

• The General Motors Fort Wayne Assembly Plant is approximately 1.25 miles east of the southeast corner of the site.

Area Churches and Schools

• Pleasant Chapel Community Church is in the northwest corner of the site at 880 E. 1100N., Roanoke.

• Faith Lutheran Church is in the south-central portion of the site at 3416 E. 900 N., Roanoke.

• Seminary United Methodist Church is in the south-central portion of the site at 285 Seminary St, Roanoke.

• St Joseph Catholic Church is in the south-central portion of the site at 641 N. Main St, Roanoke.

• Roanoke Brethren Church is outside the south-central boundary of the site at 415 S. Main St, Roanoke.

• Roanoke Elementary School is outside the south-central boundary of the site at 423 W. Vine St, Roanoke.

Other areas of concern including water sources

•The Little River enters the northeastern corner of the site flowing south/southwest and exiting the southern border of the site (Wabash River drainage).

• Aboite Creek flows south into the northeastern corner of the site joining the Little River (Wabash River drainage).

• Calf Creek flows into the north-central portion of the site flowing southeast and joining the Little River in the northeastern corner of the site (Wabash River drainage).

• Cow Creek starts in the west-central portion of the site, flows south exiting the southern boundary of the site and then turns east back into the southern boundary of the block flowing to the Little River in the south-central portion of the site (Wabash River drainage).

• Roanoke Park is in the south-central portion of the site.

• Manasseh Stables horse boarding is inside the northeastern corner of the site on Huntington CR 400E.

• Law's Country Kennel animal boarding is inside the eastern boundary of the site near the substation.

• There is an equestrian farm on Whitley CR 700E approximately ¼ mile outside the northeastern boundary of the site.

STARKE COUNTY

Winona MD 24

• The site contains 10,272 acres.

• Tree species composition includes red oak, black cherry, maple, spruce, crabapple, and other hardwoods.

- No Egg masses were found in the site.
- The site contains woodlots, agricultural fields, residences, and businesses.
- The site has had no prior treatment.

Hazards

- A cell tower is located just outside the northeast corner of the site.
- High power lines going east and west run along the northern boundary of the site.
- A high-power line is in the southeast portion of the site.

Area churches and schools

• No schools are in the site.

Other areas of concern including water sources

- A portion of Winona (Bass) Lake is in the western boundary of the site.
- There are several small ponds throughout the site.

WAYNE COUNTY

Richmond MD 24

• The site contains 6,124 acres.

• Tree species composition includes silver maple, white pine, spruce, oak, walnut, hickory, cherry, black locust, and other hardwoods.

- No egg masses were found in the site.
- The site contains woodlots, agricultural fields, residences, and businesses.

• A portion of the site was treated in 2019 with Btk (Richmond Btk 19).

Hazards

• There are no known aerial hazards in the site.

Area Churches and Schools

• Rose Hamilton Elementary School is in the northeast section of the site.

•A long- term nursing facility and a preschool facility are in the northwest section of the site.

Other areas of concern including water sources

• A portion of Elkhorn Creek which feeds into the east fork of the Whitewater River intersects in the southeast section of the site.

• The site includes an area of over 2,700 acres of continuous tree canopy that includes state classified forest area and conservation plantings consisting mainly

of oaks but also some walnut, hackberry, sycamore, and beech.

2.2 Mitigations

The Cooperative Spongy Moth Project will implement the following safeguards and mitigations:

- News releases of planned treatments and dates will be given to local news media.
- Implementation of a Work and Safety Plan.
- Prior to treatments, local safety authority will be notified by direct contact or phone calls.
- Prior to treatments, IDNR staff will communicate with private helipads and airports when application aircraft will be flying over the treatment sites.
- Prior to treatments, IDNR staff will communicate to and consult with aerial applicator regarding any aerial hazards (cell towers, etc.) and environmental concerns (T&E species locations, water, etc.) in and outside each treatment site to avoid.
- Employees of state and federal agencies monitoring the treatment will receive training on treatment methods to be able to answer questions from the public.
- Application of Btk will be suspended when school buses are in a treatment site or when children are outside on school grounds.
- The 76 CLU formulation of Btk will be used because it is operationally more efficient and manages safety concerns by using a fewer number of loads to complete application.
- Aircraft will be calibrated for accurate application of treatment material.
- Applications will be timed based on larval development, so the most susceptible spongy moth stage is targeted.
- Weather will be monitored during treatment to ensure effective deposition of the treatment material.
- The wind speeds during the application will be monitored by IDNR personnel and the aerial applicator will maintain the application within the boundaries of the proposed treatment sites.
- Treatment will be avoided or stopped if winds are above the guidelines stated in the Work and Safety Plan.
- Treatments will be stopped if drones are identified in a treatment site until the flight area is clear.
- Flight patterns during the Roanoke site treatment will be adjusted as necessary to avoid disruption to Bald Eagle nest habitat and to avoid aerial safety hazards.

2.2. Monitoring

During the treatments, ground observers and/or aerial observers will monitor the application for accuracy within the site boundaries, swath width, and drift. Application information (e.g. swath widths, spray-on and spray-off, acres treated, and altitude) will be downloaded to an

operations-based computer. The treatment sites will be monitored and reviewed, post-treatment, to determine the effectiveness of the treatments.

3.0 Pre-treatment Operation

3.1. Biological Monitoring

- Egg masses are monitored near or in the treatment site(s) to determine the date of egg hatch. This is used to aid in determining the time of first application for Btk and the time of male moth emergence for the application of mating disruption.
- Larvae observed in the sites will have their stage of development determined. When approximately 25 50% of the larvae are second instar, the first application of Btk is applied. The larval development will also be used to determine when pupation could occur, which will aid in determining the application time for mating disruption. For the Btk treatment sites, foliage expansion will be monitored so that an adequate target is available for the deposition of the Btk. Oak foliage will be used to guide foliage expansion. When expansion is near 50%, the first application will be applied. Other tree species in the project site will be monitored, also. Species such as sugar maple will also be used to determine the first application, especially if they are the major component of the overstory.
- The first application of Btk will be from late April through late May depending on weather. The earliest recorded male moth catch date and the above information will be used to determine the time for application of the mating disruption, which could be from mid-June through early July.

3.2. Calibration and Characterization

- Treatment equipment cleaned prior to application.
- For Btk, clean nozzles installed and the in line screen, clean and no finer than 30 mesh.
- Aircraft calibrated and characterized prior to application.
- Tanks, hoses, and pump on treatment aircraft checked for leaks before the treatment material is loaded.
- The swath width used during application is determined in consultation with the state entomologist and USDA Forest Service using the swath width defined from characterization.
- Contractor will upload the most recent and correct GIS files of the treatment sites into the aircraft navigation system and verify that the navigation system will accurately guide the treatment applications.
- An aircraft safety check at time of calibration and characterization and at the time of loading for each application.
- Testing and designation of radio frequencies for ground to air communication at pretreatment meetings and confirmed at the time of loading for the application.

• Mating disruption calibration records are maintained by USFS under their contracting and treatment requirements. DNR will maintain calibration records for Btk application.

3.3. Pre treatment Training

Contractor:

- The contractor will view the treatment site from the ground and/or air prior to the application with an agent of the State Entomologist to familiarize the contractor with the boundaries, hazards, and other safety concerns.
- The contractor will provide a spill plan.
- Review and record the following information provided by the contractor to the State Entomologist:
 - Nozzle type/number and number of nozzle per aircraft for Btk
 - Swath width
 - Gallon per minute for Btk
 - PSI for Btk
 - Height at which treatment area will be conducted
 - Air speed during application
 - Pilot name and license # (FAA & Pesticide), years of experience
 - Aircraft type/model/number (FAA)
 - Treatment materials applied through treatment equipment just prior to this project for Btk
- Observers:
 - Familiarize observers with treatment site boundaries, hazards, school bus schedules, hospitals with helipads, and other safety concerns.
 - Instruct observers in placement and retrieval of spray deposit cards for Btk (if used).
 - Instruct observers in radio and all phone operation and communication procedures.
 - Instruct observers in the use of monitoring procedures and equipment temperature/humidity meter, wind meter and foliage expansion measure.
 - Instruct observers on procedures for an emergency.

4.0 Treatment Operations

4.1. Communications

- All project personnel
 - A mandatory safety and coordination meeting will be held at the base of operations before applications begin. If the base of operations moves, a meeting will be held at the new base of operations.
- Aircraft pilot to treatment site

- The contractor provides radios for DNR employees to communicate with the pilot. Or, the contractor installs the DNR radio frequency or radio into the aircraft. Or, the contractor meets communication requirements of the USDA Forest Service for the application of mating disruption and Btk.
- Radio communication is established at each treatment site between the pilot and treatment site observer or treatment site observer/coordinator.
- The pilot and/or load observer will notify the treatment site coordinator after loading is complete before heading to the treatment site for Btk treatments. For mating disruption treatments, the pilot and/or operations base coordinator will notify the treatment site coordinator when the loading is complete, and the pilot is headed to the treatment site.
- Radio communication is used:
 - to give contractor clearance to start application at the treatment site;
 - to communicate malfunctioning treatment equipment;
 - to communicate start and stop points for flight lines;
 - to communicate any skips or misses;
 - to communicate any hazards, safety concerns or other problems within the treatment site;
 - to communicate potential hazards from other aircraft entering the treatment site and locations of hospitals with emergency helicopter service;
 - to stop application for safety and weather condition reasons;
 - to release pilot and aircraft to move to the next site.
 - to report emergencies to the operations base.
- Between treatment sites
 - Radios and cellular phones will be used to notify each treatment site of 1) the application progress, 2) when the aircraft is moving to the next site, 3) when the application is completed and, 4) any safety concerns and emergency situations.
 - Cellular phones will be used to communicate to local emergency service agencies.

Central communications officer

• One person will be assigned to take phone calls at a central phone number for the project and to keep in communication with ground observers.

4.2. Treatment Schedule and Constraints

- Refer to Section 3.1 Biological Monitoring for the time of application.
- Second application (if applicable as per project preferred alternative for the site) of Btk is made no sooner than four days after the first application.
- Start date will be determined by the State Entomologist and the contractor given a minimum of 48 hours notice before first application.

- First application of Btk will be made when 25 50% of the spongy moth larva are 2nd instar size. This is estimated to be between late April and late May.
- For mating disruption, application will be made 1-2 weeks prior to historical date of first male moth catch from detection surveys. This is estimated to be between mid-June and early July.
- Applications will be made under the supervision and authority of the State Entomologist or delegated agent in coordination with the USDA Forest Service and USDA APHIS.
- The State Entomologist or treatment site coordinator (for Btk treatments) or operations base coordinator or treatment site coordinator (for mating disruption treatments) must be present at the time of each application and will give the order to stop, start or alter application.
- Application will start after dawn, as stated by the National Weather Service, and continue until completed or when weather conditions and safety concerns are no longer acceptable for the safe operation of the treatment. Application would restart on the same day should weather conditions and safety concerns return to acceptable levels for a safe operation.
- Application will stop when wind speeds exceed 10 mph or cause the treatment to drift off the project location.
- Application of Btk will be suspended when school buses are in the site and when children are outside on school grounds. The State Entomologist or delegated agent will contact the local school district for bus schedules at the project site and inform the vendor when treatment will stop.
- Treatment of Btk will be done when weather reports indicate there will be no rain for a minimum of 24 hours, preferably 48 hours. However, depending on weather patterns and development of larva and foliage, a 6-hour minimum period of no rain will be used as determined by the State Entomologist or delegated agent to allow application.
- Low relative humidity below 50% and high temperature above 80 F may stop Btk application. Treatment may continue at temperatures above 80 F if there are no thermal inversions.
- Treatment of mating disruption will be done when weather reports indicate there will be no threat of rain within one hour after treatment.

4.3. Pilot Briefing

- Review Section 3.3 A. Pre-treatment Training with Contractor
- Treatment Site Coordinator or Load Site Observer shall
 - Update pilot on any changes in treatment site boundaries, hazards, or other safety concerns.
 - Ensure navigation system and treatment file is properly linked.

- Check treatment file in the navigation system to ensure the file is the most recent version and contains the correct treatment boundaries should there be any changes in boundaries to mitigate issues regarding the treatment sites.
- Review treatment application at end of application or end of day.

4.4. Mixing and Loading

- Btk will be applied undiluted, as per the label or recommendations of the manufacturer. The rate is between 24 to 38 BIU/acre.
- The mating disruption will be applied per the label, the recommendations of the manufacturer or the recommendation of the USDA Forest Service. The rate is 6 or 15
- grams AI/acre unless amended by manufacturer or USDA Forest Service.
- The treatment material will be mixed according to the label directions, if required.
- Mixing and loading shall occur under the supervision of the State Entomologist or delegated agent. The State Entomologist and the contractor will mutually agree upon the site(s) for loading and mixing. The site(s) shall be in proximity to the treatment site(s).
- Excess treatment material from each application shall be disposed of according to the label and all state and federal safety guidelines by the vendor.
- The contractor provides equipment for mixing, loading.
- Contractor is responsible for cleaning up treatment material and fuel spills.
- Contractor provides a safety plan for spills.
- **Contractor** maintains all required records as specified in the project contract.
- **Contractor** provides safety clothes and equipment for the contractor's employees.
- Contractor provides the following in written form for each application:
 - Nozzle type/number and number of nozzle per aircraft.
 - o Swath width.
 - Gallon per minute.
 - o PSI.
 - Height at which treatment will be conducted
 - Air speed during application.
 - Pilot name and license # (FAA & Pesticide), years of experience.
 - Aircraft type/model/number (FAA).
 - Treatment materials applied through sprayer just prior to this project.
- The load site observer will:
 - record information about mixing and loading including:
 - o amount of treatment material loaded,
 - \circ amount of treatment material remaining upon completion,
 - amount and type of sticker loaded,
 - will inspect the treatment equipment to ensure that the treatment equipment is clean,

- o ensure new and clean nozzles are installed,
- o that the in line screen is clean and no finer that 30 mesh,
- tanks, hoses, and pump on treatment aircraft are checked for leaks,
- the treatment equipment is operating properly.
- tests radio communication between the ground and air.

4.5. Application Monitoring

- **Treatment site observer** will record and monitor the following during application:
 - o temperature
 - o relative humidity
 - \circ wind speed.
- Treatment site observer will set and recover spray deposit cards, if utilized for a treatment site.
- Treatment site observer will observe treatment emitting from aircraft. The pilot will be notified, and treatment will be halted if the pattern and coverage are off target.
- Treatment site observer will observe flight path, start/stop points for application, note any problems or deviations and advise pilot, treatment site coordinator and load site observer of the problems or deviations.
- For Btk treatments, treatment site observers will monitor for drones and other aerial safety hazards and notify the pilot and central communications officer immediately if hazards enter the treatment area. For mating disruption treatments, the treatment site observers will notify the pilot and base operations coordinator.
- Treatment site coordinator will approve start of application to the site and release of the pilot to go to the next site.
- Treatment site observers will visually verify that the proper boundaries are used (See Section 3.3 . Pre-treatment Training for Observers).
- Load site observer will receive digital files that record treatment application from the applicator (see Section 1.8 Load site observer) at the end of each treatment day or when a treatment is completed. Load site observer will view digital files for accuracy of application and advise applicator of any errors or problems.
- After applications are conducted the State Entomologist or Central Communications Officer will report acreages completed and other required information to the National Pest Suppression Tracking System.

5.0 Public Notification

• Residences in the treatment sites will be notified of the decision to proceed with the project approximately two weeks before the planned treatment by direct mail. The residences and the public will also be notified approximately two weeks before the planned treatment by using news releases via local newspapers and radio/TV stations.

- The media will be notified approximately two days before the planned date of treatment and asked to provide information on the treatment and the treatment date to the public. Media, including social media outreach, will be utilized to the best means possible to notify the public of changes in the planned treatment date when adverse weather conditions arise, and the planned treatment date has to be changed.
- Local emergency agencies (including hospitals with helipad transport services) and other private helipads and airports will be notified of the project contacts and planned treatment date and time.
- Offices of county/municipal officials (extension agents, mayor, etc.) will be notified of the project contacts and planned treatment date and time.
- Notification will contain information pertinent to the specific treatment, treatment schedule, and precautions to be taken.

6.0 Security

6.1. Treatment Product

- The State will require a certificate of analysis from the manufacturer prior to application.
- The manufacturer will provide a chain of custody document to the contractor upon delivery of the product.
- The manufacturer provides factory seals at the point of origin.
- The contractor will retain the chain of custody document and provide it to the State agent prior to application.
- The contractor must notify the State agent when the product has arrived and is in his/her custody.
- Upon delivery the contractor must provide a storage facility for the product that is locked and secured.
- A State agent will inspect the product within 24 hours of notification that the contractor has received the product.
- Upon notification that the contractor has received the product, the State agent shall notify responsible security officials (police, sheriff and/or conservation officers) where the product is located and request the location be monitored periodically until the treatment project has been officially completed.

6.2. Aircraft Security

- The aircraft will be secured in a hanger or disabled when not in use.
- The spray equipment hoppers, tanks, pumps, hoses and mixing equipment will be secured in a hanger or sealed at the end of each workday.
- The airport facility will be monitored periodically until the treatment project has been officially completed.

6.3. Pilot

• The pilot must have FAA approval for restricted areas.

6.4. Airport Security

- Access to the airport loading and storage areas will be restricted.
- Identification will be required for access to airport loading and storage areas, and other operation sites.

7.0 Safety

- 7.1. Handling of Treatment Material
- Contractor will provide protective clothing for his employees.

7.2. Accidental Spill

- The contractor will provide a spill plan and safety equipment for the loading/mixing of the treatment material, for fueling the aircraft and for spills that occur during the treatment.
- This spill plan will be followed in case of an accidental spill.
- The contractor is responsible for cleanup and disposal of any treatment spills.
- In the event a spill does occur, or pilot has to dump the treatment material, the following will be notified:
 - Safety Officer of the DNR: (Jeff Bird) 317-232-8040
 - State Chemist Office: 765-494-1492
 - State Police: 911 or site specific emergency numbers
 - IN Department of Environmental Management Spill Line: 888-233-7745
 - Local authorities: police, fire department, hospitals (site specific emergency numbers)
 - CHEMTREC (Chemical Transportation Emergency Center): 800 424 9300
 - National Response Center (if spill occurs on a highway): 800-424-8802
 - USDA, Forest Service, Eastern Region:
- (Marc Roberts) 612-295-4076 or if unavailable call
- (William Kehoe) 414-308-5125

(SEE: PESTICIDE SPILL CALLING SHEET, PAGE 21)

The Indiana Department of Environmental Management Emergency Response Section (888-233-7745) Pursuant to 327 IAC 2-6.1-7 (4), narrative and written spill reports must include the following information:

- product name/description
- date and time of spill
- cause of spill
- spill location; please include site specific map with address and zip code.

- description of area affected, mention square feet or cubic feet
- amount spilled
- amount recovered
- containment and cleanup activities (with dates)
- disposal of recovered material
- who was at the scene; name, organization, position
- do you have a contingency plan; if so, was it implemented
- list preventive measures to eliminate recurrence
- respondent's signature and position with company
- in your correspondence, please refer to Incident No.

7.3. National Pollutant Discharge Elimination System Incident Reporting Requirements Adverse Incidents to be Reported to the Indiana Department of Environmental Management (IDEM)

All persons covered by the Indiana General Permit for Pesticide Applications (Permit ING870000) must monitor for, identify, and report adverse incidents. If a person covered by this general permit observes or is otherwise made aware of an adverse incident that may have resulted from a discharge from the pesticide application, the person must notify IDEM by telephone at (888) 233-7745.

- Immediately for incidents which pose a significant danger to human health or the environment,
- As soon as possible but within two (2) hours of discovery for any adverse incidents resulting in death or acute injury or illness to animals or humans (see 327 IAC 2-6.1), and
- Within 24 hours of the person becoming aware of the adverse incident for any other adverse incidents not listed above.

Such adverse incident reports to IDEM must include the following information:

- The caller's name and telephone number;
- Operator name and mailing address;
- If covered under a notice of intent, the NPDES tracking number;
- The name and telephone number of a contact person, if different than the person providing the 24-hour notice;
- How and when the person became aware of the adverse incident;
- Description of the location of the adverse incident;
- Description of the adverse incident identified and the EPA pesticide registration number for each product the person applied in the area of the adverse incident; and
- Description of any steps the person has taken or will take to correct, repair, remedy, clean up, or otherwise address any adverse effects.

Written Reports of Adverse Incidents to IDEM

Within 5 days of reporting an adverse incident, the person covered by the pesticide general permit must provide a written report of the adverse incident to the department which includes the following information:

- Information required to be provided above;
- Date and time the person notified IDEM of the adverse incident, who the person spoke with, and any instructions the person received from IDEM;
- Location of incident, including the names of any waters affected and appearance of those waters (sheen, color, clarity, etc.);
- A description of the circumstances of the adverse incident including species affected, estimated number of individual and approximate size of dead or distressed organisms;
- Magnitude and scope of the affected area (e.g. aquatic square area or total stream distance affected
- Pesticide application rate, intended use site (e.g., banks, above, or direct to water), method of application, and name of pesticide product, description of pesticide ingredients, and EPA registration number;
- Description of the habitat and the circumstances under which the adverse incident occurred (including any available ambient water data for pesticides applied:
- If laboratory tests were performed, indicate what test(s) were performed, and when, and provide a summary of the test results within 5 days after they become available;
- If applicable, explain why the person believes the adverse incident could not have been caused by exposure to the pesticide;
- Actions to be taken to prevent recurrence of adverse incidents; and
- Signed and dated in accordance with 327 IAC 5-2-22.

The person must report adverse incidents even for those instances when the pesticide labeling states that adverse effects may occur.

Adverse Incident Reporting For Federally listed Threatened or Endangered Species

If a person becomes aware of an adverse incident to a federally listed threatened or endangered species or its federally designated critical habitat, that may have resulted from a discharge from the pesticide application, the person must immediately notify the National Marine Fisheries Service Northeast Regional Office (NMFS) at **978-281-9300** in the case of an anadromous or marine species, or the U.S. Fish and Wildlife Service (FWS) Indianapolis Law Enforcement Office at **317-346-7014** in the case of a terrestrial or freshwater species.

This notification must be made by telephone immediately upon becoming aware of the adverse incident and must include the following information:

• The caller's name and telephone number;

- Operator name and mailing address;
- The name of the affected species;
- How and when the person became aware of the adverse incident;
- Description of the location of the adverse incident;
- Description of the adverse incident, including the EPA pesticide registration number for each product the person applied in the area of the adverse incident; and
- Description of any steps the person has taken or will take to alleviate the adverse impact to the species.

Adverse Incident Reporting for State-Listed Rare, Threatened or Endangered Species

If a person becomes aware of an adverse incident to a state-listed rare, threatened, or endangered species or its critical habitat that may have resulted from a discharge from the pesticide application, the person must immediately notify the Indiana Department of Natural Resources at **317-232-4200**. This notification must be made by telephone immediately upon becoming aware of the adverse incident and must include the information required in the previous section.

7.4. Safety Training

Safety training will be incorporated into the pretreatment training for treatment site and load site observers and other personnel. The Work and Safety Plan will be reviewed at the time of application. Individuals will review emergency procedures, phone numbers, the communication procedure, the location of emergency equipment, and the monitoring procedure.

7.5. Aviation Accident

In the event of an accident, the treatment site observer or other project personnel will notify the State Police, 911 services if available in project area, county/municipal police, fire department, hospital, and EMS for emergency situations. Also notified will be those listed under accidental spill. Project personnel will assist in the emergency as needed. DO NOT DELAY NOTIFICATION TO EMERGENCY SERVICES.

(SEE: OVERDUE AIRCRAFT, CRASHED AIRCRAFT OFF AIRPORT, CRASHED AIRCRAFT AT AIRPORT CALL LISTS AND AIRCRAFT ACCIDENT CHECKLIST AND OTHER INSTRUCTIONS, PAGES 24-29)

7.6. Personal/Vehicular Incident

In the event of a personal or vehicular incident, the treatment site observer or other project personnel will notify the State Police, 911 services if available in the project area, county/municipal police, fire department, hospital, and EMS for emergency situations. Project personnel will assist in the emergency as needed. A report of the incident should be made using Indiana State Form 40141, "Report of Personal/Vehicular Incident". DO NOT DELAY NOTIFICATION TO EMERGENCY SERVICES.

(SEE: REPORT OF PERSONAL/VEHICULAR INCIDENT, PAGES 22 and 23)

7.7. Project Aviation Safety Plan

This Indiana Work & Safety Plan is used in conjunction with the USDA, Forest Service Aviation Management Plan 2024 for the Mating Disruption Treatment Project.

All pesticide incidents and accident situations will be reported to the USFS using instructions from the Forest Service Handbook (FSH) 2109.14 Section 71.3. A written follow-up report should include:

- Location of incident, such as State, county, National Forest, city section, township, range, and identifiable roads.
- Ownership of property involved (if private property, give owner's name and address).
- Tree species, plant, animal community, or structure treated.
- Pest(s) involved.
- Humans or domestic animals affected:
 - If humans were involved, obtain and attach a written statement from the attending physician.
 - If domestic animals were involved, obtain and attach a statement from the attending veterinarian.

PESTICIDE SPILL CALLING SHEET

In the event of a pesticide spill notify the following personnel:

1.	Indiana DNR Safety Officer	Jeff Bird 317-232-8040
2.	Call State Chemist Office	765-494-1492
3.	Call State Police	See Site Specific Emergency Numbers (pages 46-51)
4.	Call Department of Environmental Management Spill Line	888-233-7745
5. Fire, H	Notify Local Authorities (Police, lospital) if needed	See Site Specific Emergency Numbers (pages 46-51)
6.	Notify CHEMTREC (Chemical Transportation Emergency Center)	800-424-9300
7.	Notify National Response Center (If spill occurs on highway)	800-424-8802
8.	Notify U S Forest Service	Marc Roberts (612) 295-4076

* 1 copy to the DNR	the completed form (State Form ector of Safety. afety will forward a copy to the lit division representative involved ied by the originator.	vestigation Division	. Attorney General.)	PRIVACY NOTICE This agency is requesting that you disclose your Social Security Number, You have the right to refuse, and will not be penalized for doing so. TICE
ATTORNEY GENERAL'S OFFICE, FROM: (PROPERTY)	INVESTIGATION DIVISION	disseminated to	epared by and for Sta anyone without speci	te use. It shall not be published or fic authorization from a representative f Indiana or a representative of the
VIA: (AGENCY / DIVISION)			the authority to release	
	TIME, PLACE Date of Incident (Month, Day, Year)	AND ENVIRONME	NT Incident Resulted In:	
State Not a State			Personal Injury	Vehicle Damage
ocal Time	Day of Week Exac	t Location of Accident		Tort Claim Procedure Issued
VEATHER CONDITIONS: Clear Fog. Smoke Cloudy Other (Describe) Rain Snow Steet / Hail Freezing Rain	LIGHT CONDITIONS: Daylight Dawn / Dusk Dark (Street Lights Off)]Dark (No Street Lights)	TYPE OF INCIDENT Personal Injury Fatality PHOTO INCLUDED Yes No PROPERTY MAP IN Yes No	F: Property Damage
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ddress			Date of Birth (Month)	Day Year)
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OVERDUE AIRCRAFT CALL LIST

The Forest Service considers an aircraft overdue if the aircraft is 30 minutes overdue at its destination and cannot be located. At this point the following procedure should be initiated.

1. Obtain available information outlined in the Aircraft Accident Checklist.

2.	Call Program Manager	Phil Marshall
		(W) 812-358-9034 (C) 812-595-2740
Whow	will:	
a.	Call the Air Force Rescue Coordination Center (AFRCC) at Tyndall AFB, FL	(850)-283-5955 (SAR Controllers (800) 851-3051 (Official Use Only)
b.	Notify USFS Aviation Officer	Marc Roberts (612) 295-4076
-	Who Notifies Eastern Region Aviation Officer	Nick Hough (O) (414) 297-3165 (C) (414) 208-7570
c.	Notify local law enforcement	Specific Site Emergency Numbers (pages 46-51)

CRASHED AIRCRAFT OFF AIRPORT CALL LIST

2.	, ,	
3.	•	
4.	Fill out Aircraft Accident Checklist.	
5.	Call Program Manager	Phil Marshall
		(W) 812-358-9034
		(C) 812-595-2740
Who	will:	
a.	Notify USFS Aviation Officer	Marc Roberts
		(612) 295-4076
	Who notifies Eastern Region	Nick Hough
	Aviation Officer (USFS)	(W) (414) 297-3165 /
	Aviation Officer (USFS)	
		(C) (414) 208-7570
b.	Notify local law enforcement	Specific Site Emergency Numbers

1. Rescue survivors - Render first aid.

(pages 46-51)

CRASHED AIRCRAFT AT AIRPORT CALL LIST

1.	Call local crash/rescue, if available.	911			
2.	Rescue survivors - render first aid.				
3.	Evacuate injured.				
	a. Notify hospital, doctor	911			
	b. Notify local law enforcement	911			
4.	. Complete actions in Aircraft Accident Instructions.				
5.	Fill out Aircraft Accident Checklist.				
6.	Call Program Manager	Phil Marshall			
		(W) 812-358-9034 (C) 812-595-2740			

AIRCRAFT ACCIDENT CHECKLIST

(Do not delay emergency reporting calls by trying to fill in all the blanks)

1. Point of Contact Information (the person who will provide information and direct actions)					
a. Name		(c. Duty Position:		
b. Phone Numbers	Phone Numbers		d. Address:		
Work:	Cell:		d. Address.		
Fax:	Home:	(e. E-mail:		
2. Accident Information	1				
a. Aircraft Registration,	/Tail Number	Туре о	of Aircraft Color		
b. Date and Time of Ac	cident				
c. Location of Aircraft (Grid, Lat/Log, Referer	nce to K	(nown Point)		
d. Hazardous Materials	Involved? (Explosive	s, Radio	pactive Materials, etc.)		
e. Witnesses identified	and statements requ	ested?			
f. Accident Site Secured	1?		Photos Taken?		
g. Flight Data Recorder	Secured? (if applicab	le)	ELT Deactivated?		
h. Total Number of Per	sonnel Involved				
Number of Fatalities			Number of Injuries		
3. Accident Description	(type of mission, what	at happ	ened, weather, extent of damage, etc.)		
4. Admin Information					
a. Aircraft Owner			b. Operator		
c. Pilot in Command					
d. Point of Last Departu	ıre		e. Destination		
f. Route of Flight			g. Fuel on Board		
h. Nearest Commercial	Airport	i	i. Suitable Helicopter Landing Site		
j. Other					

AIRCRAFT RESCUE INSTRUCTIONS

At an aircraft crash site, the National Transportation Safety Board (NTSB), has officially stated and declared that all crash sites are considered contaminated and injuries inflicted from debris could be fatal, based on HIV and Hepatitis B research reports. It is very critical that these sites be handled with the utmost care from the time of the accident until properly clothed investigators arrive at the site. Make every effort to disturb the crash site as little as possible. The less disturbed the crash site remains, the easier it will be to investigate the cause.

Rescue

- 1. Do not become a victim by placing yourself in jeopardy. Use good judgment and assist survivors and render first aid to the best of your abilities until relieved by medical personnel.
- 2. If there is any danger of post crash fire, move survivors to a safe place.
- 3. Keep bystanders and unauthorized personnel away from crash site.
- 4. Establish "no smoking" rule. Fire and explosion are real dangers with residual fuels and hot metal.

Search the wreckage carefully for other survivors

Exercise good judgment and use appropriate personal protective equipment.

Hazards at an aircraft accident site can include:

- 1. **Biological Hazards:** HIV, Hepatitis B and others.
- 2. **Toxic Substances:** Fuel, oil, hydraulic fluid, and aircraft materials such as beryllium, lithium, chromium, and mercury.
- 3. **Pressure Vessels:** Hydraulic accumulators, struts, oxygen cylinders, and fire extinguishers.
- 4. **Mechanical Hazards:** Metal under tension (rotor blades bent under fuselage), heavy objects, composite materials, and sharp edges.
- 5. **Fire Hazards:** Unburned fuel, hot metal (or other materials), aircraft batteries, pyrotechnics, and the ignition of grass as a result of the accident.
- 6. **Environmental Hazards:** Weather, terrain, animals.

Notify the Program Manager Preserve the accident site

The area to be quarantined shall not be less than 300 feet in diameter (length of football field) and encompasses the entire wreckage. Every piece of the aircraft and its location is important to the investigators. Nothing should be disturbed. If something must be disturbed in order to remove survivors or for fire suppression activities, document and/or photograph the location of any debris. Use local law enforcement to secure site. Treat the area as if it were a crime scene and provide 24 hour security until investigation team arrives.

Identify witnesses (critical element)

- 1. Obtain witness statements, if possible.
- 2. Collect names, addresses, and phone numbers

All US Department of Interior (DOI) and US Department of Agriculture Forest Service (USDA FS) aircraft mishaps are investigated under the authority of the NTSB as defined in:

- 1. 49 Code of Federal Regulations (CFR) parts 830 and 831
- 2. Public Law (PL) 103-411

This means that regardless of severity, all aircraft mishaps (accidents or incidents) are the domain of the NTSB. If NTSB elect not to visit the site and physical investigation is conducted by DOI or USDA FS personnel, it is still a NTSB investigation and investigative efforts must comply with their rules and regulations



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Foray 76B Flowable Concentrate

SDS# VBC-0076 Revision 4

[Classification according to OSHA; 29 CFR § 1910.1200, (3/12/2012)]

ISSUED 01/20/2020

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

1.1 Product Identifier

MATERIAL NAME: Foray 76B Flowable Concentrate Synonyms: BioBit XLP, VBC-6431 EPA Reg No.: 73049-49 Code Number: 35530 List Number: 60176 Chemical Family: Microbial, Btk strain ABTS-351 Substance Registration Number(s)[REACH]: N/A

 1.2 Relevant Identified Uses and Uses Advised Against Identified Uses: Agricultural Insecticide
 Uses Advised Against: It is a violation of Federal law to use this product in a manner inconsistent with its FIFRA pesticide labeling.

1.3 Details of the supplier of the Safety Data Sheet

Supplied By: Valent BioSciences LLC 1910 Innovation Way, Suite 100 Libertyville, Illinois 60048

1.4 EMERGENCY TELEPHONE NUMBERS

Emergency Health or Spill:

Outside the United States: 651-632-6184 Within the United States: 877-315-9819

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Eye Irritation – Category 2B

2.2 Labeling Elements

Symbol(s) None

Signal Word WARNING

Hazard Statement(s) Causes eye irritation



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Foray 76B Flowable Concentrate

SDS# VBC-0076 Revision 4 ISSUED 01/20/2020 [Classification according to OSHA; 29 CFR § 1910.1200, (3/12/2012)]

Precautionary Statement:

Prevention

Wash hands and face thoroughly after handling

Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Disposal

Dispose of contents/container in accordance with local/regional/national regulations.

2.3 Other Hazards

None identified.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Component Names	Percent
68038-71-1	Btk Fermentation solids	18.44
Trade Secret	Other ingredients	81.56

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

GENERAL: In all cases of doubt, seek medical attention.

- **EYES:** Remove from source of exposure. Flush with copious amounts of water. Remove contact lenses, if present and easy to do, after the first 5 minutes, then continue rinsing. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic /supportive care as necessary.
- **SKIN:** Remove from source of exposure. Take off contaminated clothing. Flush with copious amounts of water. Cover irritated skin with an emollient. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.
- **INGESTION:** Remove from source of exposure. Move person to fresh air. Do NOT induce vomiting. Give large quantities of water. If signs of toxicity occur, seek medical attention. Provide symptomatic /supportive care as necessary.



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Foray 76B Flowable Concentrate

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INHALATION: Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary. If person is not breathing, call 911, then give artificial respiration.

4.2 Most important Symptoms and Effects, both Acute and Delayed

Acute

Eye irritation

Delayed

No information on significant adverse effects

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

Treat symptomatically and supportively

5. FIRE FIGHTING PROCEDURES

5.1 Extinguisher Media

Suitable Extinguisher Media

Dry chemical, water spray, foam or carbon dioxide. Use appropriate medium for the underlying cause of the fire.

Unsuitable Extinguisher Media None known

5.2 Specific Hazards Arising from the Chemical

None known

Thermal decomposition products

Carbon oxides, nitrogen oxides

5.3 Advice to Firefighters

Protective Equipment and precautions for firefighters

Fire fighter should wear full-face, self-contained breathing apparatus and protective clothing. Fire fighters should avoid inhaling combustion products. See Section 8 (Exposure Controls / Personal Protection)

Fire & Explosive hazard

Not expected to be flammable.



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Foray 76B Flowable Concentrate

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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Use in a well-ventilated area. Respiratory protection such as a dust mask should be worn during normal product use. Wear eye protection appropriate to handling activities. Wear gloves. Wear appropriate body coverings if contact may occur.

6.2 Environmental Precautions

Keep out of drains, sewers, ditches and waterways. Avoid runoff to waterways and sewers. Dispose of excess product and washwaters according to local regulations.

6.3 Methods and Materials for Containment and Cleaning Up

Ventilate area. Wear appropriate personal protective equipment. Recover product with inert material (earth, sand, vermiculite) and place into appropriate container for disposal. Do not flush to sewer.

6.4 Reference to Other Sections

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations. See Section 13 for Disposal Considerations.

7. HANDLING AND STORAGE

7.1 Precautions for Safe handling

Ventilate. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling. Do not eat drink or smoke while working with product, obey reasonable safety precautions and practice good housekeeping. For filling operations respiratory protection may be recommended particularly in enclosed areas.

7.2 Conditions for Safe Storage, Including Incompatibilities

Protect against physical damage. Close containers of unused material. Store in a dry, cool, ventilated place, away from direct sunlight.

Incompatibilities

None Known

7.3 Specific End Use(s)

Agricultural insecticide.



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Foray 76B Flowable Concentrate

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Component Exposure Limits

None

Derived No Effect Levels (DNELs)

No DNELs available

Predicted No Effect Concentrations (PNECs)

No PNECs available

8.2 Exposure Controls

Appropriate Engineering Controls

Provide general ventilation. Where adequate general ventilation is unavailable use process enclosure, local exhaust ventilation, or other engineering controls

SKIN PROTECTION:

Wear protective clothing, including boots and gloves. Wear gloves. Wash thoroughly with soap and water after handling.

EYE PROTECTION:

Wear goggles, safety glasses with side shields or full-face shield when splashing or spraying of materials is likely.

RESPIRATORY PROTECTION:

For filling operations if dust/mist is produced respiratory protection is recommended or where respiratory protection is warranted, use dust/mist filtering respirator (MSHA/NIOSH approved number prefix TC-21C or a NIOSH approved respirator with any N, P, R or HE filter). Wash thoroughly with soap and water after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES			
		O dam.	Maga 4 19
Appearance:	Liquid, pale yellow	Odor:	Yeast like
pH:	4.3 ± 0.1 (10% dilution)	Odor Threshold:	Not determined
Melting Point:	Not Applicable	Boiling Point:	Not Determined
Specific Gravity:	Not Determined	Solubility (H ₂ O):	Not Determined
Octanol/H ₂ O Coeff:	Not Determined	Bulk Density:	1.1 ± 0.1 g/ml
Molecular Weight:	Not Applicable	Evaporation Rate:	Not Applicable
Auto Ignition:	Not Determined	Decomposition Temp.:	Not Determined
Flash Point:	Not Determined; Non-	LFL:	Not Determined
	flammable		
Vapor Density:	Not Determined	UFL:	Not Determined
VOC:	Aqueous	Vapor Pressure:	Not Determined
Kinematic Viscosity:	Not Determined	Flammability Class:	Not flammable
Suspensibility	100%	-	

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[Classification according to OSHA; 29 CFR § 1910.1200, (3/12/2012)]

10. CHEMICAL STABILITY AND REACTIVITY

10.1 Reactivity

Material does not pose a significant reactivity hazard.

10.2 Chemical Stability

Stable under ordinary conditions of use and storage. Spontaneous reaction not possible.

10.3 Possibility of Hazardous Reactions

Does not undergo hazardous polymerization

10.4 Conditions to Avoid None known

10.5 Incompatible Materials

None known

10.6 Hazardous Decomposition Products

Carbon oxides and unidentified organic compounds.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Likely Routes of Exposure Inhalation: Yes Eye Contact: Yes Skin Contact: Yes Ingestion: Not likely

Product (or TGAI where noted) Toxicology

 Acute Effects

 Oral Toxicity:
 LD₅₀ > 5,050 mg/kg (rat) [EPA Toxicity Category IV]

 Dermal Toxicity:
 LD₅₀ > 2,000 mg/kg (rabbit)

 Inhalation Toxicity:
 LC₅₀ rat (4 hours): > 3.22 mg/L

 Corrosiveness:
 Not corrosive.

 Dermal Irritation:
 Mildly-irritating, [EPA Toxicity Category IV]

 Ocular Irritation:
 Mildly-irritating, (cleared by day-7)

 Dermal Sensitization:
 Not a sensitizer (Lymph node mice)

 Mutagenicity Information:
 Components of this product are not listed as mutagens.

 Carcinogenicity Information:
 Components of this product are not listed as carcinogenic by NTP, IARC or OSHA.

 Developmental/Reproductive Toxicity:
 This material is not teratogenic

 Special Target Organ:
 Eye Irritation.

 Aspiration Hazard:
 Not Applicable

 Repeat Dose Studies:
 Not Applicable, Acute Toxicity testing was all negative



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Foray 76B Flowable Concentrate

SDS# VBC-0076 Revision 4

[Classification according to OSHA; 29 CFR § 1910.1200, (3/12/2012)]

ISSUED 01/20/2020

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity (Data for a Concentrated Technical Powder)

Do not allow into waterways or lakes. Fish: LC₅₀ >2.87 x 10⁷ cfu/L (96-H, Rainbow Trout)

Bird: LC₅₀ >2857 mg/kg (5.7 x 10¹⁰ cfu/kg) each day for 5 days (Sub-Acute Oral (dietary) - Bobwhite Quail) Invertebrates: EC₅₀ >50 mg/L (48-Hr) (Daphnia) 21-day NOEC >5.0 mg/L (Daphnia) Honeybee: Essentially Nontoxic to honeybee

12.2 Persistence and Degradability

No data available

12.3 Bioaccumulation potential

No data available

12.4 Mobility in Soil

No data available

12.5 Results of PBT and vPvB assessment

Assessments not performed

12.6 Other adverse effects

None known

13. DISPOSAL CONSIDERATIONS

13.1 Waste Disposal Methods

Dispose of product in accordance with federal, state, provincial, and local regulations. Prevent contamination of environment by wastes.



SAFETY DATA SHEET

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Foray 76B Flowable Concentrate

SDS# VBC-0076 Revision 4

ISSUED 01/20/2020

[Classification according to OSHA; 29 CFR § 1910.1200, (3/12/2012)]

14. TRANSPORTATION INFORMATION

DOT STATUS: Not regulated by US DOT UN PROPER SHIPPING NAME: N/A REMARKS: N/A

IATA/ICA0 STATUS: Not Regulated PROPER SHIPPING NAME: N/A REMARKS: N/A

IMDG STATUS: Not Regulated PROPER SHIPPING NAME: N/A REMARKS: N/A

15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations / Specific Legislation

TSCA STATUS: Exempt

CERCLA STATUS: Not regulated as hazardous SARA STATUS: Acute: No Chronic: No Fire: No CDT: No

SARA STATUS: Acute: No Chronic: No Fire: No CDT: No

RCRA STATUS: Not regulated as hazardous

State Right-To-Know: Not Listed

Consult applicable national, state provincial or local laws to determine regulations, laws or ordinances which may be applicable.

OSHA HAZARD COMMUNICATION STANDARD: Not defined by the OSHA Hazard Communication Standard, 29 CFR

15.2 EPA Pesticide Regulations

EPA Registration Number: 73049- 49 EPA Pesticide Label signal word: CAUTION

Product must have EPA Approved Pesticide Label attached to or accompanying all containers.

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions and limitations for its use.



SAFETY DATA SHEET

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Foray 76B Flowable Concentrate

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

Environmental Hazards

For Ground Application:

For Terrestrial Uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

No manual application can take place within 300 feet of any threatened or endangered Lepidoptera.

For Aerial Application:

Except under the forest canopy, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

This product must not be applied aerially within 1/4 mile of any habitats of threatened or endangered Lepidoptera.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in a cool, dry place. Keep containers tightly closed when not in use. Store in temperatures above freezing and below 25 degrees C (77 degrees F).

Pesticide Disposal: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times. Once cleaned, offer container for recycling, if available. If recycling is not available, puncture and dispose of container in a sanitary landfill or by other procedures approved by state and local authorities.



SAFETY DATA SHEET

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Foray 76B Flowable Concentrate

SDS# VBC-0076 Revision 4

ISSUED 01/20/2020

[Classification according to OSHA; 29 CFR § 1910.1200, (3/12/2012)]

		<u>16. C</u>	тн	ER INFORMATION	
NFPA Hazard	Ratings	HMIS Hazard	Rat	ings	
Health:	1	Health:	1	0 = Minimal	
Flammability:	0	Flammability:	0	1 = Slight	
Instability:	0	Instability:	0	2 = Moderate	
				3 = Serious	
				4 = Extreme	
REASON FO	R ISSUE:	Address Chang	e		
APPROVA	L DATE:	01/20/2020			
SUPERSEDE	S DATE:	05/08/2019			
	A - NI-+ A.				
LEGEND: N/		•		N/D = Not Determined	
	L = Not Lis			L = Listed	
	C = Ceiling			S = Short-term	
	· ·			alent BioSciences LLC	
(TI	/I) = Regist	tered Trademark	of ∖	/alent BioSciences LLC	

The information provided in this Safety Data Sheet (SDS) is provided in good faith and believed to be accurate at the time of preparation of the SDS. However, to the extent consistent with applicable law, Valent BioSciences LLC and its subsidiaries or affiliates extend no warranties, make no representations, and assume no responsibility as to the accuracy, suitability, or completeness of such information. Additionally, to the extent consistent with applicable law, neither Valent BioSciences LLC nor any of its subsidiaries or affiliates represents or guarantees that this information or product may be used without infringing the intellectual property rights of others. Except to the extent a particular use and particular information are expressly stated on the product label, it is the users' own responsibility to determine the suitability of this information for their own particular use of this product. If necessary, contact Valent BioSciences LLC to confirm that you have the most current product label and SDS.

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-APPROVED PRODUCT LABEL (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use as required by the Occupational Health and Safety Act (29 CFR 1910.1200, "Hazcom"). The product label provides information specifically for product use in the ordinary course. Use, storage and disposal of pesticide products is regulated by the EPA under the authority of FIFRA through the product label. All necessary hazard classification and appropriate precautionary use, storage, and disposal information is set forth on that label or labeling accompanying the pesticide or to which reference is made on the label. It is a violation of federal law to use an EPA-registered pesticide product in any manner inconsistent with its labeling.



1910 Innovation Way, Suite 100 Libertyville, IL 60048 – 800-323-9597

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Safety Data Sheet



SPLAT GM-0 Version 2.2019

Section 1: Identification

Product Name: SPLAT GM-0 Product Code: SPLAT GM-0

Recommended Use: For selective control of the gypsy moth, Lymantria dispar

Manufacturer: ISCA Technologies, Inc. 1230 W. Spring Street Riverside, CA 92507 USA info@iscatech.com

Emergency Phone Number: +1-951-686-5008

Section 2: Hazard Identification

UN GHS Classification and Hazard Statement:

- H303 May be harmful if swallowed
- H313 May be harmful in contact with skin

Hazard Pictograms: N/A Signal Word: Warning

Precautionary Statements:

- P102 Keep out of reach of children
- P103 Read label before use
- P264 Wash hands, forearms, and exposed areas
- thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product P280 - Wear eye protection, protective clothing, protective
- gloves P301+P330 IF SWALLOWED: Rinse mouth.
- P302+P352 IF ON SKIN: Wash with plenty of water
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

- lenses, if present and easy to do. Continue rinsing P312 - Call a POISON CENTER or doctor if you feel unwell
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention
- P337+P313 If eye irritation persists: Get medical advice/attention
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P235 Keep cool
- P501 Dispose of contents/container according to local, regional, national, and international regulations

Section 3: Composition/Information on Ingredients

Name	CAS #	Molecular Mass	Molecular Formula	Chemical Name
Disparlure	29804-22-6	282.5	C19H38O	(cis)-7,8-epoxy-2-
				methyloctadecane
Oil, wax and water emulsions	Not applicable	Not applicable	Not applicable	Not applicable

Section 4: First Aid Measures

If swallowed: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by poison control center or doctor. Do not give anything to an unconscious person.

If on skin: Take off contaminated clothing. Wash skin immediately with soap and water, then rinse with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

Notes to physician: All treatments should be based on signs and symptoms observed in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Page 1 of 3

Safety Data Sheet



SPLAT GM-O Version 2.2019

Section 5: Firefighting Measures

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Potential hazardous products of combustion: Carbon dioxide, carbon monoxide, smoke, fumes, unburned hydrocarbons, and other products of combustion.

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Section 6: Accidental Release Measures

In case of leak or spill, wipe with oil-absorbent towels and dispose of waste as indicated in Section 13. Clean with water and citrus or limonene-based detergents.

Section 7: Handling and Storage

Storage: Store product in sealed containers in a cool dry place, out of direct sunlight. For optimal shelf life, keep refrigerated. Do not exceed 75°F (25°C) for long-term storage. Do not freeze. Do not store with food. **Incompatible materials:** Keep away from heat, oxidizers and strong acids.

Section 8: Exposure Controls/Personal Protection

Engineering controls: Safety shower and eye wash.

Personal protective equipment: Applicators and handlers must wear long-sleeved shirts, long pants, socks, shoes, and waterproof gloves. Protective eyewear is recommended. Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions are available for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

General hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Avoid contact with skin, eyes or clothing. Remove contaminated clothing and wash before reuse.

Section 9: Physical and Chemical Properties

Physical state: Thick liquid Color: Gray Odor: Waxy, fatty pH: Not available Melting point: Not available Boiling point: > 100°C Flash Point: Not available Specific Density: $0.90 \pm 0.01 \text{ g/mL}$ at 25° C Partition coefficient n-octanol/water: Not available Solubility: Partially soluble in water Vapor Pressure: Not available

Section 10: Stability and Reactivity

Reactivity: No dangerous reaction known under conditions of normal use. Chemical stability: Stable under normal temperatures and pressures. Possibility of hazardous reactions: Hazardous polymerization will not occur. Conditions to avoid: High temperatures and live electrical circuits. Incompatible materials: Oxidizing agents, strong acids. Hazardous decomposition products: None known.

Section 11: Toxicological Information

Not available.

Section 12: Ecological Information

For terrestrial uses only. Do not contaminate water during application, disposal, or equipment cleanup.

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Safety Data Sheet



SPLAT GM-O Version 2.2019

Section 13: Disposal Considerations

Pesticide disposal: To avoid waste, use all material in this container by application according to label directions. If waste cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by regional or local governments or by industry).

Container handling: Non-refillable container. Do not refill or reuse this container. Scrape any remaining product out of the container with a spatula or other appropriate tool. Triple rinse promptly after emptying, then puncture container. Offer for recycling, if available, or dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by regional and local ordinances.

Observe all national, regional, and local environmental regulations.

Section 14: Transport Information

Transport in accordance with local, state and federal regulations.

Section 15: Regulatory Information

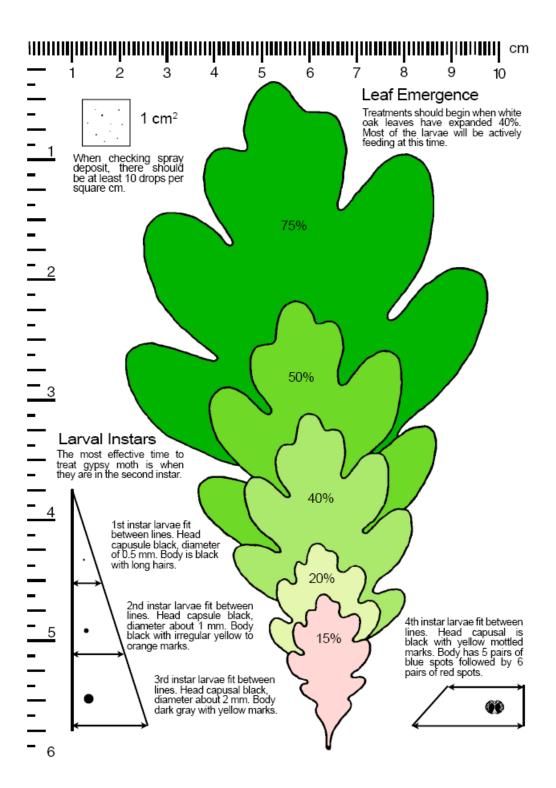
Not available.

Section 16: Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. ISCA Technologies, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. Furthermore, ISCA Technologies, Inc. assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer indicated in Section 1.

SDS revision date: 1 November 2019

Site Name and County:						
Date of application:						
Pesticide used:						
Project acreage:						
•	mhow					
Aircraft pilot and tail nu						
Foliage Information -						
Percent Leaf Expansion:	Species:			Perce	nt:	
Expansion.	Species:	-		Perce	nt:	
	Species:			Perce	nt:	
	Species:			Perce	nt:	
	Species:			Perce	nt:	
Time of measurement: Air Temperature: Relative Humidity:						
Relative Humidity:						
Windspeed:						
Source of weather informa Larval information (if an Instar 1:% In	y larvae ava	ilable)				 <u>%</u>
Spray deposit results:			 			
Treatment Site Observer	Name:		 			





Indiana Spongy Moth Spray Program

Daily Aircraft Record: Load Sheet

Year: Date: Material (name/EPA #): Pilot (name/license #): Application Rate: Aircraft (type/tail number): Gallons Loaded: Gallons Remaining: Airport: Take-Off Time (EDT): Treatment Block: Landing Time (EDT): Acres Treated: Date: Material (name/EPA #): Pilot (name/license #): Application Rate: Aircraft (type/tail number): Gallons Loaded: Airport: Gallons Remaining: Take-Off Time (EDT): Treatment Block: Landing Time (EDT): Acres Treated: Material (name/EPA #): Date: Pilot (name/license #): Application Rate: Aircraft (type/tail number): Gallons Loaded: Airport: Gallons Remaining: Take-Off Time (EDT): Treatment Block: Landing Time (EDT): Acres Treated: Date: Material (name/EPA #): Pilot (name/license #): Application Rate: Aircraft (type/tail number): Gallons Loaded: Gallons Remaining: Airport: Take-Off Time (EDT): Treatment Block: Landing Time (EDT): Acres Treated: Contractor Printed Name: Signature: Date: Were any SAFECOMS reported? Yes / No If yes, Aviation Safety Communiqué (www.safecom.gov) tracking number:_

Berne Btk 24 – Adams County

Dispatch	Adams County Dispatch	260-724-5345
		1
	Adams County Sheriff's Department 911 W Peacekeepers Way, Decatur, IN 46733-0608	911 or 260-724-5345
Law E-f	State Police – Fort Wayne District	911 or 260-432-8661
Enforcement	5811 Ellison Road, Fort Wayne, IN 46804	800-552-0976
	DNR Law Enforcement District 2 Headquarters	260-244-3720
	1353 S Governors Dr., Columbia City, IN 46725	812-837-9536 (Dispatch)
		1
Fire	Berne Vol Fire Department 1230 Parkway St., Berne, IN 46711	911 or 260-589-8735
TT • 1	Adams Memorial Hospital 1100 Mercer Ave., Decatur, IN 46733	260-724-2145
Hospitals	Bluffton Regional Medical Center 303 S Main St, Bluffton, IN 46714	260-824-3210
	Adams County Emergency Management	
	911 W Peacekeepers Way, Decatur, IN 46733	260-724-5320
County	Adams County Health Department 313 W. Jefferson Street, Decatur, IN 46733	260-724-5326
	Purdue Extension Adams County	260-724-5322
	Adams County Commissioners Stan Stoppenhagen, Steve Bailey, Steve Kuhn	260-724-5314
		1
Airport	Portland Municipal Airport 661 W 100 N, Portland, IN	260-729-5233
	Poison Control	800-382-9097
Chemical	Dept. of Environmental Management – Spill Line	888-233-7745
Spill	CHEMTREC (Chemical Transportation Emergency Center)	800-424-9300
	National Response Center (if spill occurs on a highway)	800-424-8802

North Manchester Btk 24 – Wabash County

	Wabash County Dispatch	260-563-9223
Dispatch	North Manchester City Dispatch	260-982-8555
	Wabash County Sheriff's Department79 West Main Street, Wabash, IN 46992	911 or 260-569-9662
T	North Manchester Police Department 215 W Washington Street, Plymouth, IN 46563	911 or 260-982-8556
Law Enforcement	Manchester University Security Office	260-982-5999
Emorcement	State Police – Peru District 1451 N. Eel River Cemetery Road, Peru, IN 46970	911 or 765-473-6666 800-382-0689
	DNR Law Enforcement District 1 Headquarters 9822 N Turkey Creek Rd, Syracuse	574-457-8092 812-837-9536 (Dispatch)
Fire	North Manchester Fire Department 709 W Main St, North Manchester, IN 46962	911 or 260-982-8212
Hospital	Parkview Wabash Hospital 10 John Kissinger Dr, Wabash, IN 46992	260-563-3131
	Wabash County Emergency Management 1 W Hill St Ste LL02, Wabash, IN 46992	260-563-3181
County	Wabash County Health Department 89 West Hill Street, Wabash, IN 46992	260-563-0661 (x1248 or x1251)
coulog	Purdue Extension Wabash County	260-563-0661 x1408
	Wabash County Commissioners Brian Haupert, Jeff Dawes, Barry Eppley	260-571-0771 (Haupert) 260-982-8302 (Eppley)
City	Town of North Manchester 103 E Main St, North Manchester, IN 46962	260-982-9800
Manchester	Dir of University Safety – Tina Edwards	260-982-5256
University	Dir of Maint & Grounds – Brady Foreman	260-982-5577
	Wabash Municipal Airport 283 W 400 S, Wabash, IN 46992	260-563-4705
Airport	Warsaw Municipal Airport 3000 Airport Rd, Warsaw, IN 46582	574-372-9541
	Poison Control	800-382-9097
Chemical Spill	Dept. of Environmental Management - Spill Line	888-233-7745

National Response Center (if spill occurs on a highway)	800-424-8802
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Winona MD 24 – Starke County

Dispatch	Starke County Dispatch	574-772-3771 (option 1)
	Starke County Sheriff's Department 5435 E State Road 8, Knox, IN 46534	911 or 574-772-3771
Law Enforcement	State Police – Lowell District 1550 E 181 st Avenue, Lowell, IN 46356	911 or 219-696-6242 800-552-8917
	DNR Law Enforcement District 10 Headquarters 100 W Water Street, Michigan City, IN 46360	219-879-5710
Fire	Washington Twp Vol Fire Department 9020 E Division Road, Knox, IN 46534	911 or 574-772-4954
Fire	Bass Lake Vol Fire Department 7225 S US Hwy 35, Knox, IN 46534	911 or 574-772-3388
Hospital	Northwest Health - Starke 102 E Culver Road, Knox, IN 46534	574-772-6231
	Starke County Emergency Management	219-205-2087 or
	53 E Mound Street, Knox, IN 46534	574-806-1838
County	Starke County Health Department 108 N Pearl Street, Knox, IN 46534	574-772-9137
County	Purdue Extension Starke County	574-772-9141
	Starke County Commissioners Charles Chesak, Mark Gourley, Ron Binkley	219-326-6808 Ext. 2229
		1
Airports	Starke County Airport 1795 N 200 E, Knox	574-772-5001
	Winamac Arens Field Airport 2595 US 35, Winamac, IN 46996	574-946-6785
	Poison Control	800-382-9097
Chemical	Dept. of Environmental Management - Spill Line	888-233-7745
Spill	CHEMTREC (Chemical Transportation Emergency Center)	800-424-9300
	National Response Center (if spill occurs on a highway)	800-424-8802

EMERGENCY TELEPHONE NUMBERS Richmond MD 24 – Wayne County

Dispatch	Wayne County Dispatch	765-973-9355
	Wayne County Sheriff's Department 200 E Main Street, Richmond, IN 47374	911 or 765-973-9393
	Richmond Police Department 50 N. 5 th St., Richmond, IN 47374	911 or 765-983-7247
Law Enforcement	Centerville Police Department 5247 US 40 West, Centerville, IN 47330	911 or 765-855-5222
	State Police – Pendleton District 9022 S. State Road 67, Pendleton, IN 46064	911 or 765-778-2121 800-527-4752
	DNR Law Enforcement District 4 Headquarters 3734 Mounds Road, Anderson, IN 46017	765-649-1062 812-837-9536 (Dispatch)
E:	Centerville Fire Department 414 S. Morton Ave., Centerville, IN 47330	911 or 765-855-3889
Fire	Richmond Fire Department 101 South 5th Street, Richmond, IN 47374	911 or 765-962-1808
Hospitals	Reid Health 1100 Reid Pkwy, Richmond, IN 47374	765-983-3000
	Wayne County Emergency Management 401 East Main Street, Richmond IN 47374	765-973-9399
County	Wayne County Health Department 100 S 5 th Street, Richmond, IN 47374	765-973-9245
County	Purdue Extension Wayne County	765-973-9281
	Wayne County Commissioners Jeff Plasterer, Mary Anne Butters, Brad Dwenger	765-973-9237
City	City of Richmond – Mayor David Snow 50 North 5 th , Richmond, Indiana 47374	765-983-7200
	Town of Centerville 204 E Main Street, Centerville, IN 47330	765-855-5515
Airport	Richmond Municipal Airport 5169 IN-227, Richmond, IN 47374	765-983-7296
	Poison Control	800-382-9097
Chemical Spill	Dept. of Environmental Management - Spill Line	888-233-7745
	CHEMTREC (Chemical Transportation Emergency Center)	800-424-9300

National Response Center (if spill occurs on a highway)	800-424-8802
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Roanoke MD 24 – Huntington/Allen/Whitley Counties

	Huntington County Dispatch	260-356-8316
Dispatch	Allen County Dispatch	260-449-3000
	Whitley County Dispatch	260-244-6410
	Huntington County Sheriff's Department	911 or 260-356-2520
	332 E State St, Huntington, IN 46750	011
	Allen County Sheriff's Department	911 or 2(0,440,7525,(
	715 S. Calhoun St, Rm 101, Fort Wayne, IN 46802	260-449-7535 (office)
T	Whitley County Sheriff's Department	911 or 260-244-6410
Law	101 W Market St, Columbia City, IN 46725	
Enforcement	Roanoke Police Department	911 or 260-672-3202
	126 S Main St, Roanoke, IN 46783	
	State Police – Fort Wayne District	911 or 260-432-8661
	5811 Ellison Road, Fort Wayne, IN 46804	800-552-0976
	DNR Law Enforcement District 2 Headquarters	260-244-3720
	1353 S Governors Dr., Columbia City, IN 46725	812-837-9536 (Dispatch)
	Roanoke Vol Fire Department (Huntington)	
	111 N Center Street, Plymouth, IN 46563	911 or 260-672-2352
Fire	Southwest Allen Co Fire Dist – Station 4 (Allen)	911 or 260-747-2938
rne	11609 Lower Huntington Road, Roanoke, IN 46783	911 01 200-747-2938
	Jefferson Center Vol Fire Dept (Whitley)	911 or 260-396-2112
	5090 E 800 S, Columbia City, IN 46725	911 01 200-390-2112
TT 1 (T	Parkview Huntington Hospital 2001 Stults Rd, Huntington, IN 46750	260-355-3000
Hospitals	Lutheran Hospital	aca 125 5001
	7950 W Jefferson Blvd, Fort Wayne, IN 46804	260-435-7001
	Huntington County Emergency Management 20 Victory Noll Dr, Huntington, IN 46750	260-358-4870
	Huntington County Health Department	
County	1330 S Jefferson St, Huntington, IN 46750	260-358-4831
(Huntington)	Purdue Extension Huntington County	260-358-4826
	Huntington County Commissioners Terry Stoffel, Rob Miller, Tom Wall	260-358-4822

	Allen County Homeland Security	260-449-4663
	1 E Main Street, Suite 754, Fort Wayne 46802	
Country	Allen County Health Department	260-449-7561
County	200 E Berry St. Suite 360, Fort Wayne 46802	
(Allen)	Purdue Extension Allen County	260-481-6826
	Allen County Commissioners	260-449-7555 or
	F. Nelson Peters IV, Therese Brown, Richard Beck	260-449-7671 (PIO)
	Whitley County Emergency Management	ACO A10 A1 (5
	53 E Mound Street, Knox, IN 46534	260-248-3167
	Whitley County Health Department	
County	220 W Van Buren St, Columbia City, IN 46725	260-248-3121 (x5)
(Whitley)	Purdue Extension Whitley County	260-244-7615
	· · · ·	
	Whitley County Commissioners	260-248-3130
	Theresa Baysinger, Rob Schuman, Chad Banks	
City	Town of Roanoke	260-672-8116
City		260-672-8116
City	Town of Roanoke 141 W. Third St. Roanoke, IN 46783	
City	Town of Roanoke 141 W. Third St. Roanoke, IN 46783 Huntington Municipal Airport (Patriot Aviation)	260-672-8116 260-356-8515
	Town of Roanoke 141 W. Third St. Roanoke, IN 46783 Huntington Municipal Airport (Patriot Aviation) 1365 Warren Rd, Huntington Indiana 46750	260-356-8515
City Airport	Town of Roanoke 141 W. Third St. Roanoke, IN 46783 Huntington Municipal Airport (Patriot Aviation) 1365 Warren Rd, Huntington Indiana 46750 Fort Wayne International Airport	
	Town of Roanoke 141 W. Third St. Roanoke, IN 46783 Huntington Municipal Airport (Patriot Aviation) 1365 Warren Rd, Huntington Indiana 46750	260-356-8515
	Town of Roanoke141 W. Third St. Roanoke, IN 46783Huntington Municipal Airport (Patriot Aviation)1365 Warren Rd, Huntington Indiana 46750Fort Wayne International Airport3801 W Ferguson Rd, Fort Wayne, IN	260-356-8515 260-747-4146
	Town of Roanoke141 W. Third St. Roanoke, IN 46783Huntington Municipal Airport (Patriot Aviation)1365 Warren Rd, Huntington Indiana 46750Fort Wayne International Airport3801 W Ferguson Rd, Fort Wayne, IN	260-356-8515 260-747-4146
	Town of Roanoke 141 W. Third St. Roanoke, IN 46783 Huntington Municipal Airport (Patriot Aviation) 1365 Warren Rd, Huntington Indiana 46750 Fort Wayne International Airport 3801 W Ferguson Rd, Fort Wayne, IN FAA Control Tower	260-356-8515 260-747-4146 260-479-6551
Airport	Town of Roanoke 141 W. Third St. Roanoke, IN 46783 Huntington Municipal Airport (Patriot Aviation) 1365 Warren Rd, Huntington Indiana 46750 Fort Wayne International Airport 3801 W Ferguson Rd, Fort Wayne, IN FAA Control Tower Poison Control	260-356-8515 260-747-4146 260-479-6551 800-382-9097