

# RESTRICTED USE PESTICIDE

## Due to High Acute Toxicity to Humans

For retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's Certification. Direct supervision for this product requires the Certified Applicator to review federal and supplemental label instructions with all personnel prior to application, mixing, loading, repair or cleaning of application equipment.

METHOMYL

GROUP

1A

INSECTICIDE

# NUDRIN® SP

# SPECIMEN LABEL

### Active Ingredient:

Methomyl

(S-methyl-N-[(methylcarbamoyl)oxy]thioacetimidate).....

### Other Ingredients:

Total:

### By Weight

90%

10%

100%

## KEEP OUT OF REACH OF CHILDREN

# ANGER POISON PELIGRO

*(Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.))*  
See inside booklet for complete Precautionary Statements, Directions for Use, Storage and Disposal, and Conditions of Sale and Warranty.  
For 24-hour chemical spill, leak, fire, exposure or accident response information, call CHEMTREC toll free at 1-800-424-9300.

**FIRST AID (N-Methyl Carbamate Insecticide): IF SWALLOWED:** Call a 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 by a poison control center or doctor. Do not give anything to an unconscious person. **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 further 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 a poison control center or doctor for treatment advice. **ATROPINE IS AN ANTIDOTE -- SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED POISONING.** If poisoning symptoms appear (see POISONING SYMPTOMS), get medical attention. **POISONING SYMPTOMS:** Methomyl poisoning produces effects associated with anticholinesterase activity which may include weakness, blurred vision, headache, nausea, abdominal cramps, discomfort in the chest, constriction of pupils, sweating, slow pulse, muscle tremors. If poisoning symptoms appear, refer to First Aid section and seek medical attention at once.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. **TREATMENT -** Atropine sulfate should be used for treatment. Administer repeated doses, 1.2 to 2.0 mg intravenously every 10 to 30 minutes until full atropinization is achieved. Maintain atropinization until the patient recovers. Artificial respiration or oxygen may be necessary. Allow no further exposure to any cholinesterase inhibitor until recovery is assured. Do not use 2-PAM for exposure to NUDRIN® SP alone. However, for exposure to combinations of NUDRIN® SP and organophosphorus insecticides, 2-PAM may be used as required to supplement the atropine sulfate treatment. Do not use morphine. **NOTLINE NUMBER:** For non-emergency questions regarding exposure to this product, call 1-888-347-6732 (7 days/week, 24-hr/day). For medical emergencies, call the poison control center at 1-800-222-1222. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

*In Water Soluble Packets*

Manufactured by:  
**ALBAUGH, LLC**  
-Rotam North America Division  
1525 NE 36th Street  
Ankeny, IA 50021



Escanee el código  
QR para la etiqueta  
en Español.



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**Net Contents: 10 lb**

**ALBAUGH®**  
your alternative

EPA Reg. No. 83100-28-83979

AD072925

45002RT0210

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS  
AND DOMESTIC ANIMALS**

**KEEP OUT OF REACH OF CHILDREN**

**DANGER POISON**



**PELIGRO**

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Restricted Use Pesticide due to toxicity categories. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

Fatal if swallowed. May be fatal if inhaled or gets in eyes. Do not breathe dust. Do not get in eyes. Avoid contact with clothing.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Mixers, loaders, applicators, cleaners, repairers of application equipment, and others exposed to the concentrate must wear:**

- Long sleeve shirt and long pants
- Chemical-resistant gloves, such as barrier laminate or butyl rubber
- Socks and chemical resistant footwear
- Protective eyewear
- Chemical resistant apron
- Wear a minimum of a NIOSH-approved elastomeric half mask respirator with organic vapor (OV) cartridges and combination R or P filters; OR a NIOSH-approved gas mask with OV canisters; OR a NIOSH-approved powered air purifying respirator with OV cartridges and combination HE filters.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

## **ENGINEERING CONTROL STATEMENTS**

### **Human flaggers must be in enclosed cabs.**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR Part 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

The enclosed cabs must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR Part 170.240 (d)(4-6)]. The handler PPE requirements may be reduced or modified as specified in the WPS.

Water soluble packets, when used correctly, qualify as a closed mixing/loading system under the Worker Protection Standard [40 CFR 170.607(d)]. Mixers and loaders handling this product while it is enclosed in intact water-soluble packets may elect to wear reduced PPE of long-sleeved shirt, long pants, shoes, socks, a chemical-resistant apron, and chemical-resistant gloves. When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and the have such PPE immediately available for use in an emergency, such as in case of a spill or equipment break-down.

**Pilots must not assist in the mixing and loading operations.**

## **USER SAFETY RECOMMENDATIONS**

### **USERS SHOULD:**

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove personal protective equipment immediately after handling this product.
- Wash the outside of gloves before removing.
- As soon as possible, wash thoroughly and change into clean clothing.
- Remove and wash contaminated clothing before reuse.

## **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish, aquatic invertebrates, and mammals. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

This chemical is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

This chemical can contaminate surface water through spray drift. Under some conditions, it may also have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, and areas overlaying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-laying tile drainage systems that drain to surface water.

### **PHYSICAL AND CHEMICAL HAZARDS**

Keep container closed. Use with adequate ventilation.

### **DIRECTIONS FOR USE** **Restricted Use Pesticide**

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### **Endangered and Threatened Species Protection Requirements**

**ENDANGERED AND THREATENED SPECIES PROTECTION REQUIREMENTS:** Before using this product, you must obtain any applicable Endangered Species Protection Bulletins ('Bulletins') within six months prior to or on the day of application. To obtain Bulletins, go to Bulletins Live! Two (BLT) at <https://www.epa.gov/pesticides/bulletins>. When using this product, you must follow all directions and restrictions contained in any applicable Bulletin(s) for the area where you are applying the product, including any restrictions on application timing if applicable. It is a violation of Federal law to use this product in a manner inconsistent with its labeling, including this labeling instruction to follow all directions and restrictions contained in any applicable Bulletin(s). For general questions or technical help, call 1-844-447-3813, or email [ESPP@epa.gov](mailto:ESPP@epa.gov).

### **Reporting Ecological Incidents**

**REPORTING ECOLOGICAL INCIDENTS:** For guidance on reporting ecological incidents, including death, injury, or harm to plants and animals, including bees and other non-target insects, see EPA's Pesticide Incident Reporting website: <https://www.epa.gov/pesticide-incidents> or call 1-800-247-8013.

## **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI). REI Summary: REI peaches = 4 day; REI apple, cotton, grapefruit, lemon, nectarine, orange, tangelo, tangerine = 3 day; all other WPS uses = 48 hour REI.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical Resistant Gloves Category A (such as butyl rubber, natural rubber, neoprene rubber or nitrile rubber), all >14 mils
- Shoes plus socks
- Protective eyewear

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

## **RESTRICTIONS**

- Do not formulate this product into other End-use products without written permission from ALBAUGH, LLC – Rotam North America Division.
- Do not apply thru Drip Chemigation.
- NUDRIN® SP is a dry powder to be dissolved in water for application by mechanical ground, overhead sprinkler, or aerial application Hand-held equipment is prohibited for application to crops.
- Pilots must not assist in the mixing and loading operations.
- Use only in commercial and farm plantings. Not for use in home plantings.
- Not for use during any period after a commercial crop site is opened for public entry as a "U-Pick", "Pick Your Own", or similar operation; in no case shall preharvest applications be made after first public entry. The restricted entry interval and preharvest interval for the crop stated elsewhere on this label must be followed.

## **RESISTANCE MANAGEMENT**

For resistance management, NUDRIN® SP is a group 1A insecticide.

Any insect/mite population may contain individuals naturally resistant to NUDRIN® SP and other Group 1A insecticides/acaricides. The resistant individuals may dominate the insect/mite population if this group of insecticides/acaricides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of this product or other Group 1A insecticides/acaricides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides/acaricides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
  - o Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - o Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - o When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - o Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - o The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact ALBAUGH, LLC – Rotam North America Division at 1-800-247-8013.

### **INTEGRATED PEST MANAGEMENT**

This product should be used as part of an Integrated Pest Management (IPM) program which can include biological, cultural, and genetic practices aimed at preventing economic pest damage. Application of this product should be based on IPM principles and practices including field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

### **SCOUTING**

Monitor insect populations to determine whether or not there is a need for application of NUDRIN® SP based on locally determined economic thresholds. More than one treatment of NUDRIN® SP may be required to control a population of pests.

## BENEFICIAL ARTHROPODS

NUDRIN® SP at rates of 1/8 to 1/4 lb. per acre helps conserve certain beneficials, including big-eyed bugs, damsel bugs, flower bugs, and spiders in cotton and soybeans. While these beneficials cannot be relied upon to control pests, they are of potential value and should be monitored along with pests in pest management programs on these crops.

## SPRAY PREPARATION

Do not apply during rain. Do not apply when soil in the area to be treated is saturated (if there is standing water on the field or if water can be squeezed from soil) or if NOAA/National Weather Service predicts a total rainfall of 1 inch or greater over the 48 hours following the day of application, only considering a 48-hour period when, at any point during the 48-hour period, the precipitation potential is 50% or greater. Detailed National Weather Service forecasts for local weather conditions should be obtained on-line at: [www.weather.gov](http://www.weather.gov) or by contacting your local National Weather Service Forecasting Office.

Spray equipment must be clean and free of previous pesticide deposits before applying NUDRIN® SP.

Fill spray tank 1/4 to 1/2 full of water. Add NUDRIN® SP directly to spray tank. Carefully open the outer barrier bag containing NUDRIN® SP in a water soluble bag. Do not cut open the outer barrier bag. Invert the outer barrier bag allowing the inner water soluble bag to fall directly into the spray tank. Do not allow packets to become wet prior to adding to the spray tank. Do not handle, open, rip, tear, cut or perforate the inner water soluble bag. Mix thoroughly to fully dissolve the insecticide; once dissolved continued agitation is not required. Use mechanical or hydraulic means; do not use air agitation. Be sure the soluble packet is completely dissolved before adding any other ingredients. Spray mix should not be stored overnight in spray tank.

**Compatibility:** Since formulations may be changed and new ones introduced, it is recommended that users premix a small quantity of a desired tank mix and observe for possible adverse changes (settling out, flocculation, etc.). Avoid mixtures of several materials and very concentrated spray mixtures.

Do not use NUDRIN® SP with Bordeaux mixture (copper sulfate and hydrated lime), “Du Ter” (triphenyltin hydroxide), lime sulfur, “Rayplex” iron nor in highly alkaline solutions. Use mildly alkaline mixtures immediately after mixing to prevent loss of insecticidal activity.

Tank-mix solutions containing Boron may affect solubility of the water soluble film. When using Boron containing solutions in a tank-mix, follow these procedures:

- Add the correct amount of NUDRIN® SP water soluble packets first.
- Be sure the soluble packets are completely dissolved.
- Introduce Boron containing solutions last.

If the above procedure cannot be followed, and Boron is an essential part of the spray mix, substitute NUDRIN® SP formulation for the water soluble packets.

**Tank Mix Sequence:** Add different formulation types in the sequence indicated below. Allow time for complete mixing and dispersion after addition of each product.

1. NUDRIN® SP and other products in water soluble bags.
2. Water dispersible granules.
3. Wettable powders.
4. Water based suspension concentrates.
5. Water soluble concentrates.
6. Oil based suspension concentrates.
7. Emulsifiable concentrates.
8. Adjuvants, surfactants, oils.
9. Soluble fertilizers.
10. Drift retardants.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Follow local practice and manufacturer's recommendation.

## **APPLICATION**

### **Instructions for Using Water Soluble Packages Directly into Spray tanks:**

Water-Soluble Packages (WSPs) are designed to dissolve in water. Agitation may be used, if necessary, to help dissolve the WSP. Failure to follow handling and mixing instructions can increase your exposure to the pesticide products in WSPs. WSPs, when used properly, qualify as a closed mixing/loading system under the Agricultural Worker Protection Standard [40 CFR 170.607(d)].

### **Handling Instructions**

Follow these steps when handling pesticide products in WSPs.

1. Mix in spray tank only.
2. Handle the WSP in a manner that protects package from breakage and/or unintended release of contents. If package is broken, put on PPE required for clean-up and then continue with mixing instructions.
3. Keep the WSP in outer packaging until just before use.
4. Keep the WSP dry prior to adding to the spray tank.
5. Handle with dry gloves and according to the label instructions for PPE.
6. Keep the WSP intact. Do not cut or puncture the WSP.
7. Reseal the WSP outer packaging to protect any unused WSP(s).

### **Mixing Instructions**

Follow the steps below when mixing this product, including if it is tank-mixed with other pesticide products. If being tank-mixed, the mixing directions 1 through 9 below take precedence over the mixing directions of the other tank mix products. WSPs may, in some cases, be mixed with other pesticide products so long as the



directions for use of all the pesticide product components do not conflict. Do not tank-mix this product with products that prohibit tank-mixing or have conflicting mixing directions.

1. If a basket or strainer is present in the tank hatch, remove prior to adding the WSP to the tank.
2. Fill tank with water to approximately one-third to one-half of the desired final volume of spray.
3. Stop adding water and stop any agitation.
4. Place intact/unopened WSP into the tank.
5. Do not spray water from a hose or fill pipe to break or dissolve the WSP.
6. Start mechanical and recirculation agitation from the bottom of tank without using any overhead recirculation, if possible. If overhead recirculation cannot be turned off, close the hatch before starting agitation.
7. Dissolving the WSP may take up to 5 minutes or longer, depending on water temperature, water hardness and intensity of agitation.
8. Stop agitation before tank lid is opened.
9. Open the lid to the tank, exercising caution to avoid contact with dusts or spray mix, to verify that the WSP has fully dissolved and the contents have been thoroughly mixed into the solution.
10. Do not add other allowed products or complete filling the tank until the bags have fully dissolved and pesticide is thoroughly mixed.
11. Once the WSP has fully dissolved and any other products have been added to the tank, resume filling the tank with water to the desired level, close the tank lid, and resume agitation.
12. Use the spray solution when mixing is complete.
13. Maintain agitation of the diluted pesticide mix during transport and application.
14. It is unlawful to use any registered pesticide, including WSPs, in a manner inconsistent with its label.

## **ENGINEERING CONTROLS STATEMENT**

Water soluble packets, when used correctly, qualify as a closed mixing/loading system under the Worker Protection Standard [40 CFR 170.607(d)]. Mixers and loaders handling this product while it is enclosed in intact water-soluble packets may elect to wear reduced PPE of long-sleeved shirt, long pants, shoes, socks, a chemical-resistant apron, and chemical-resistant gloves. When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as in case of a spill or equipment break-down.

Apply at the recommended rates when insect populations reach locally determined economic thresholds. Consult the cooperative extension service, professional consultants or other qualified authorities to determine appropriate threshold levels for treatment in your area.

Follow-up treatments of NUDRIN® SP should be applied, as needed, to keep pest populations within threshold limits. On most crops, NUDRIN® SP should be applied at 5- to 7-day intervals to maintain control. Refer to crop specific directions for use in the crop tables for more specific information on treatment intervals. Use sufficient water to obtain thorough, uniform coverage. Since NUDRIN® SP is a fast acting contact insecticide, best results follow direct spraying of the target insect.

For aerial, use a minimum of 2 gals. per acre (gpa) except 10 gpa for peaches and nectarines; 15 gpa for oranges, lemons, grapefruit, tangelos, and tangerines.

For certain crops a minimum of 1 gallon per acre may be used providing the following conditions are met:

- Equipment is adjusted to distribute spray uniformly over the spray swath,
- wind conditions and other factors such as temperature and humidity are such that the spray is delivered to the target area,
- local regulations do not prohibit low-volume aerial sprays, and
- use rates are applied as directed on the package label for the following crops:

Alfalfa	Celery	Peas (succulent)
Anise	Collards	Peppermint
Asparagus	Corn	Peppers
Beans	Cotton	Potato
Broccoli	Cucumber	Soybean
Brussels sprouts	Lettuce	Spinach
Cabbage	Melons	Sugar beet
Carrot	Mint	Summer Squash
Cauliflower	Peanuts	Wheat

Apply the low rates on small plants, small insects and light infestations of insects. Use intermediate rates on large insects and heavier infestations of insects. Use 1 to 3 applications of the highest recommended rate for controlling severe infestations. Thereafter, use the lowest rate possible to maintain control.

### **SPRAY TANK CLEANOUT**

Immediately following application, thoroughly clean all spray equipment to reduce the risk of forming hardened deposits which might become difficult to remove.

Drain spray equipment. Thoroughly rinse sprayer and flush hoses, boom and nozzles with clean water.

Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

### **CHEMIGATION**

#### **Instructions for the Use of NUDRIN® SP on Alfalfa, Green and Dry Bulb Onions, Potatoes, Sugar Beets, and Wheat Using Overhead Sprinkler Chemigation**

Chemigation: Overhead sprinkler chemigation is allowed for use in alfalfa, onions, potatoes, sugar beets, and wheat. Refer to supplemental, or Special Local Need (SLN) labeling or the crop specific sections of this label for use directions for chemigation. Do not apply this product through any other type of irrigation systems, except those allowed by instructions provided in this product label.

Overhead chemigation applications offer the advantage of greater penetration and coverage of the target plant. However, typical chemigation applications are more dilute than ground or aerial applications. For best results, it is recommended to keep the concentration of NUDRIN® SP as high as possible in the application. Apply NUDRIN® SP in 0.1 to 0.2 inches of water per acre. NUDRIN® SP is most active as a contact insecticide, although it does also have activity via ingestion of treated plants. For best results, applications of NUDRIN® SP should take place when the insects are active and most likely to come into direct contact with the application.

## **Types of Irrigation Systems**

NUDRIN® SP may be applied through overhead sprinkler irrigation systems for control of various pests. Center pivot and lateral move irrigation systems are preferred. Other overhead sprinkler systems; such as end tow, side (wheel) roll and solid set, may be used if they provide uniform water distribution. Do not use filter screens smaller than 50 mesh throughout the system, due to possible buildup of material on 100 mesh or smaller screens. Do not apply NUDRIN® SP through any other type of irrigation systems, except those allowed by instructions provided in this product label.

## **Use Directions for Chemigation**

### **Preparation**

A pesticide tank is recommended for the application of NUDRIN® SP in chemigation systems. Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Add 1/4 to 1/2 of the desired amount of water and then measure the required amount of NUDRIN® SP into the tank. Complete filling the tank by adding the required amount of water. Agitate thoroughly to insure a uniform solution of NUDRIN® SP. Once in solution, no further agitation is required. Injection solution should not be stored overnight. Highly alkaline water should be buffered so that the pH of the spray solution is in the range of neutral to slightly acidic (pH5-7).

### **Injection into Chemigation Systems**

Inject the proper amount of the NUDRIN® SP solution to the irrigation water flow using a positive displacement injection pump. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water. For continuously moving systems, inject the solution containing NUDRIN® SP into the irrigation water line continually and uniformly throughout the irrigation cycle. Apply in no more than 0.2 inches of water per acre. For overhead sprinkler systems that are stationary, add the solution containing NUDRIN® SP to the irrigation water line, and apply no more than 0.2 inches of water per acre, just before the end of the irrigation cycle.

### **Uniform Water Distribution**

The irrigation system used for application of NUDRIN® SP must provide for uniform distribution of NUDRIN® SP treated water. Nonuniform distribution might result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other experts if you have questions about achieving uniform distribution of the application.

### **Equipment Calibration**

Calibrate the irrigation system and injector before applying NUDRIN® SP. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

### **Monitoring of Chemigation Applications**

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for cleaners and repairers of

application equipment when making adjustments or repairs on the chemigation system when NUDRIN® SP is in the irrigation water.

### **Required System Safety Devices**

Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place. Public water system means a system for the provision to the public of piped water for human consumption, if such a system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 60 days out of the year.

1. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

### **Posting of Areas to be Treated**

Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, daycare centers, hospitals, in-patient clinics, nursing homes, or any other public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The signs shall be printed in ENGLISH. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color, which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT", followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATED WATER". Posting for chemigation does not replace other posting and reentry requirements for farm worker safety.

### **Operation**

Start the water pump and sprinkler, and let the system achieve the desired pressure and speed before starting the injector. Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per acre in a uniform manner. Apply NUDRIN® SP in 0.1 to 0.2 inches of water per acre. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system. End guns must be turned off during the application, if they irrigate nontarget areas or if they do not provide uniform application and coverage.

It is recommended that nozzles in the immediate area of control panels, chemical supply tanks, wellheads and system safety devices be plugged to prevent contamination of these areas.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Do not apply when system connections or fittings leak or when nozzles do not provide uniform distribution.

### **Cleaning the System**

Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

### **Mandatory Spray Drift Management**

Do not apply by ground equipment within 25 feet, or by air within 100 feet of lakes, reservoirs, rivers, estuaries, commercial fish ponds and natural, permanent streams, marshes or natural, permanent ponds. Increase the buffer zone to 450 feet from the above aquatic areas when ultra-low volume application is made.

#### **Aerial Applications:**

- Do not apply methomyl within 50 feet of residential areas, including schools, homes, playgrounds, recreational areas, athletic fields, residential lawns, gardens, and other areas where children may be present.
- Do not release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators must select nozzle and pressure that deliver medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 641 (ASABE S641).
- During application, the Sustained Wind Speed, as defined by the National Weather Service (standard averaging period of 2 minutes) must register between 3 and 10 miles per hour.
- Wind speed and direction must be measured on location using a windsock, an anemometer (including systems to measure wind speed or velocity on an aircraft), or an aircraft smoke system.
- Wind speed must be measured at the release height or higher, in an area free from obstructions such as trees, buildings, and farm equipment.
- Applicators must use a minimum of ½ swath displacement upwind at the downwind edge of the field.
- The boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- Do not apply during temperature inversions.

#### **Ground Boom Applications:**

- During application, the Sustained Wind Speed, as defined by the National Weather Service (standard averaging period of 2 minutes), must register between 3 and 10 miles per hour.
- Wind speed and direction must be measured on location using a windsock or anemometer (including systems to measure wind speed or velocity using application equipment).
- Wind speed must be measured at the release height or higher, in an area free from obstructions such as trees, buildings, and farm equipment.
- Do not release spray at a height greater than 3 feet above the ground or crop canopy.
- Applicators must select nozzle and pressure that deliver medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572).
- Do not apply during temperature inversions.

#### **Airblast applications:**

- Sprays must be directed into the canopy.
- During application, the Sustained Wind Speed, as defined by the National Weather Service (standard averaging period of 2 minutes), must register between 3 and 10 miles per hour.
- Wind speed and direction must be measured on location using a windsock or anemometer (including systems to measure wind speed or velocity using application equipment).
- Wind speed must be measured at the release height or higher, in an area free from obstructions such as trees, buildings, and farm equipment.
- User must turn off outward pointing nozzles at row ends and when spraying outer row.
- Do not apply during temperature inversions.

## CROP AND RATE CHARTS

If applying NUDRIN® SP to more than one crop, do not apply more than 13 lb ai / acre/ year. See crop-specific maximum annual application rates below.

Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
Alfalfa	Pea Aphid Lygus Bugs Blotch Leafminer Aphids Egyptian Alfalfa Weevil Larvae Loopers Beet Armyworm Armyworm Alfalfa Caterpillar Fall Armyworm Western Yellowstriped Armyworm Yellowstriped Armyworm	1/2 – 1 (0.45 - 0.9 lb ai/acre)	7*	48 hrs.
	Alfalfa Weevil Larvae	1 (0.9 lb ai/acre)		
	Variegated Cutworm	1/4 – 1 (0.23 - 0.9 lb ai/acre)		
	Do not apply to dormant or semi-dormant alfalfa when min. daily temp. is 50°F, or lower. Do not apply more than 4 pounds (3.6 lbs ai) of NUDRIN® SP per acre per year. Do not make more than 10 applications per year. <b>Chemigation:</b> NUDRIN® SP may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of NUDRIN® SP. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. *Do not apply within 7 days of cutting or allowing livestock to graze. When this product is used on alfalfa grown for seed, the seed may not be used for sprouts. All seed from treated crop must be tagged, "Not for Human Use" at the processing plant.			
Anise (Fennel)	Cabbage Looper	1 (0.9 lb ai/acre)	7	48 hrs.
	Beet Armyworm	1/2 – 1 (0.45 - 0.9 lb ai/acre)		
Do not apply more than 5 pounds (4.5 lbs ai) of NUDRIN® SP per acre per year. Do not make more than 10 applications per year.				

*(continued)*

Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
Apple (Ground application only)	Apple Aphid Rosy Apple Aphid Tufted Apple Budmoth Brown Marmorated Stink Bug ** Green Fruitworm Tarnished Plant Bug	1/2 - 1* (0.45 - 0.9 lb ai/acre)	14	72 hrs.
	Codling Moth (10-12 day spray intervals)			
	Leafrollers (Fruit-tree, Obliquebanded, Redbanded, Variegated) Lesser Appleworm White Apple Leafhopper Tentiform Leafminer Cutworm	1* (0.9 lb ai/acre)		
Do not use on Early Macintosh & Wealthy varieties Do not apply more than 5 pounds (4.5 lbs ai) of NUDRIN® SP per acre per year. Do not make more than 5 applications per year; minimum interval between treatments is 7 days. *Apply in a minimum of 50 gallons of water per acre. ** Brown marmorated stink bugs are very mobile pests. They may reinfest the treated area quickly. If another application is needed prior to the minimum application interval, use a different insecticide. Since this product is a contact insecticide, follow direct spraying of the target pest and the use of the highest labeled rate. Use sufficient water to obtain thorough, uniform coverage.				
Asparagus	Beet Armyworm Western Yellowstriped Armyworm Asparagus Beetle Spotted Asparagus Beetle White Cutworm Redbacked Cutworm	1/2 – 1 (0.45 - 0.9 lb ai/acre)	1	48 hrs.
	Variegated Cutworm	1/2 (0.45 lb ai/acre)		
	Do not apply more than 5 pounds (4.5 lbs ai) of NUDRIN® SP per acre per year. Do not make more than 8 applications per year.			
Avocado	Western Avocado Leafroller Omnivorous Looper	1/2 – 1 (0.45 - 0.9 lb ai/acre)	1	48 hrs.
	Do not apply more than 1 pound (0.9 lb ai) of NUDRIN® SP per acre per year. Do not make more than 2 applications per year.			



Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
<b>Beans</b> (Succulent) Including: Kidney, Lima, Mung, Navy, Pinto, Snap, Wax, Broad, Fava, Asparagus, Blackeyed peas, Cowpeas, Chick peas, Garbanzo beans, Sweet lupine, White sweet lupine, White lupine, Grain lupine	Leafhopper	1/4 – 1 (0.23 - 0.9 lb ai/acre)	Succulent Beans 1/4 - 1/2 lb.-- 1 over 1/2 lb. -- 3 3 Vines 7 Hay	48 hrs.
	Mexican Bean Beetle			
	Fall Armyworm	1/2		
	Variegated Cutworm	(0.23 - 0.9 lb ai/acre)		
	Beet Armyworm Corn Earworm Saltmarsh Caterpillar Yellowstriped Armyworm Western Yellowstriped Armyworm Lygus Bugs Thrips Aphids Loopers* Brown Marmorated Stink Bug **	1/2 – 1 (0.45 - 0.9 lb ai/acre)		
	European Corn Borer (Ovicide & Larvicide) -- Initiate when moth flights first appear and-continue preventive treatments at 3-4 day intervals to control eggs and larvae.			
	Spotted Cucumber Beetle	1/4 - 1/2 (0.23 - 0.45 lb ai/acre)		
	Succulent Beans - Do not apply more than 5 pounds (4.5 lbs ai) of NUDRIN® SP per acre per year. Do not make more than 10 applications per year. *Do not use for Loopers in AL & GA. ** Brown marmorated stink bugs are very mobile pests. They may reinfest the treated area quickly. If another application is needed prior to the minimum application interval, use a different insecticide. Since this product is a contact insecticide, follow direct spraying of the target pest. Use sufficient water to obtain thorough, uniform coverage. Use a minimum of 20 gallons of water per acre for ground applications and 5 gallons of water per acre for aerial applications.			

(continued)

Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
<b>Beans</b> (Dry) (Follow Beans, Succulent)	(Follow Beans, Succulent)	(Follow Beans, Succulent)	14 - Dry Beans* 14 - Vines* 14 - Hay*	48 hrs.
	Do not apply more than 5 pounds (4.5 lbs ai) of NUDRIN® SP per acre per year. Do not make more than 10 applications per year. Do not use for Loopers in AL & GA. *Do not apply within 14 days of cutting. ** Brown marmorated stink bugs are very mobile pests. They may reinfest the treated area quickly. If another application is needed prior to the minimum application interval, use a different insecticide. Since this product is a contact insecticide, follow direct spraying of the target pest. Use sufficient water to obtain thorough, uniform coverage. Use a minimum of 20 gallons of water per acre for ground applications and 5 gallons of water per acre for aerial applications.			
<b>Beets</b> (Table)	Imported Cabbageworm	1/4 – 1 (0.23 - 0.9 lb ai/acre)	0 - roots 10 - tops	48 hrs.
	Beet Armyworm Cabbage Looper Diamondback Moth	1/2 – 1 (0.45 - 0.9 lb ai/acre)		
	Cucumber Beetle Variegated Cutworm	1/2 (0.45 lb ai/acre)		
	Do not apply more than 4 pounds (3.6 lbs ai) of NUDRIN® SP per acre per year. Do not make more than 8 applications per year.			
<b>Bermudagrass pasture</b>	Fall Armyworm Armyworm Striped Grass Looper	1/4 – 1 (0.23 - 0.9 lb ai/acre)	7 - Forage* 3 - Dehydrated Hay**	48 hrs.
	Do not apply more than 1 pound (0.9 lb ai) of NUDRIN® SP per acre per year. Do not make more than 4 applications per year. *Do not apply within 7 days of feeding forage or allowing livestock to graze. **Do not apply within 3 days of cutting for hay.			

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Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
Blueberries	Blueberry Leafhopper Aphids Tussock Moth Weevil Sharp-Nosed Leafhopper	1/2 (0.45 lb ai/acre)	3	48 hrs.
	Cranberry Fruitworm* Cherry Fruitworm* Brown Marmorated Stink Bug *† Spotted Wing Drosophila **	1/2 – 1 (0.45 - 0.9 lb ai/acre)		
	Flea Beetle (larvae) Sawfly (larvae) Blueberry Leafroller	1 (0.9 lb ai/acre)		
	Blueberry Maggot	1/4 - 1/2 (0.23 - 0.45 lb ai/acre)		
	Do not apply during bloom. Do not apply more than 4 pounds (3.6 lb ai) of NUDRIN® SP per acre per year. Do not make more than 4 applications per year. *For ground use only. † Brown marmorated stink bugs are very mobile pests. They may reinfest the treated area quickly. If another application is needed prior to the minimum application interval, use a different insecticide. Since NUDRIN® SP is a contact insecticide, follow direct spraying of the target pest and the use of the highest labeled rate. Use sufficient water to obtain thorough, uniform coverage. Use a minimum of 50 gallons of water per acre. **Apply when the first adult spotted wing drosophila are trapped or based on local university crop stage timing recommendations in order to protect ripening fruit. Apply by properly calibrated air or ground equipment using sufficient spray volume to obtain thorough coverage. For aerial application in dense growth blueberries, use a minimum spray volume of 10 gallons per acre.			

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Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
Broccoli	Loopers	1/2 - 1** (0.45 - 0.9 lb ai/acre)	3	48 hrs.
	Diamondback Moth			
	Imported Cabbageworm	1/4 - 1** (0.23 - 0.9 lb ai/acre)		
	Do not apply more than 7 pounds (6.3 lb ai) of NUDRIN® SP per acre per year. Do not make more than 10 applications per year; minimum interval between treatments is 2 days. **Add a wetting agent to improve coverage.			
Brussels Sprouts	Loopers	1/2 - 1** (0.45 - 0.9 lb ai/acre)	3	48 hrs.
	Imported Cabbageworm			
	Diamondback Moth			
	Variegated Cutworm	1/2** (0.45 lb ai/acre)		
Do not apply more than 6 pounds (5.4 lb ai) of NUDRIN® SP per acre per year. Do not make more than 10 applications per year; minimum interval between treatments is 2 days. **Add a wetting agent to improve coverage.				
Cabbage	Loopers*	1/2 - 1** (0.45 - 0.9 lb ai/acre)	1	48 hrs.
	Diamondback Moth			
	Fall Armyworm			
	Imported Cabbageworm	1/4 - 1** (0.23 - 0.9 lb ai/acre)		
Variegated Cutworm	1/2** (0.45 lb ai/acre)			
Do not apply more than 8 pounds (7.2 lb ai) of NUDRIN® SP per acre per year. Do not make more than 15 applications per year; minimum interval between treatments is 2 days. * Do not use for Loopers in AL & GA. **Add a wetting agent to improve coverage.				

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Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
Carrot	Beet Armyworm Armyworms Aster Leafhopper	1/2 – 1 (0.45 - 0.9 lb ai/acre)	1	48 hrs.
	Variegated Cutworm	1/4 - 1/2 (0.23 - 0.45 lb ai/acre)		
	Do not apply more than 7 pounds (6.3 lb ai) of NUDRIN® SP per acre per year. Do not make more than 10 applications per year.			
Cauliflower	Imported Cabbageworm	1/4 - 1** (0.23 - 0.9 lb ai/acre)	3	48 hrs.
	Loopers Diamondback Moth	1/2 - 1** (0.45 - 0.9 lb ai/acre)		
	Variegated Cutworm	1/2** (0.45 lb ai/acre)		
	Do not apply more than 8 pounds (7.2 lb ai) of NUDRIN® SP per acre per year. Do not make more than 10 applications per year; minimum interval between treatments is 2 days. **Add a wetting agent to improve coverage.			
Celery	Beet Armyworm Aster Leafhopper	1/2 – 1 (0.45 - 0.9 lb ai/acre)	7	48 hrs.
	Loopers	1 (0.9 lb ai/acre)		
	Variegated Cutworm	1/2 (0.45 lb ai/acre)		
	Armyworms	1/4 – 1 (0.23 - 0.9 lb ai/acre)		
	Do not apply more than 7 pounds (6.3 lb ai) of NUDRIN® SP per acre per year. Do not make more than 8 applications per year.			
Chicory	Beet Armyworm Variegated Cutworm Leafhoppers	1/2 – 1 (0.45 - 0.9 lb ai/acre)	80	48 hrs.
	Do not apply more than 2 pounds (1.8 lb ai) of NUDRIN® SP per acre per year. Do not make more than 2 applications per year.			

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Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
<b>Chinese Cabbage</b> (Napa, Bok Choy)	Loopers Beet Armyworm	1/2 - 1* (0.45 - 0.9 lb ai/acre)	10	48 hrs.
	Do not apply more than 8 pounds (7.2 lb ai) of NUDRIN® SP/acre/year. Do not make more than 10 applications/year. *Minimum of 25 gallons water per acre by ground or 5 gallons by air.			
<b>Collards</b> (Fresh market only)	Diamondback Moth Variegated Cutworm	1/2 (0.45 lb ai/acre)	10	48 hrs.
	Imported Cabbageworm Beet Armyworm Loopers*	1/2 – 1 (0.45 - 0.9 lb ai/acre)		
	Do not apply when temperature is less than 50° F. Do not apply when crop is less than 10" tall. Do not apply more than 6 pounds (5.4 lb ai) of NUDRIN® SP per acre per year. Do not make more than 8 applications per year. *Do not use for Loopers in AL & GA.			

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Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
Corn (Field, Popcorn & Seed)	Earworm (Ovicide/Larvicide) Armyworm Fall Armyworm European Corn Borer- Ears 1-3 days or as needed Corn Rootworm (adult beetles) Flea Beetles Picnic Beetles Aphids	1/4 - 1/2 (0.23 - 0.45 lb ai/acre)	21 - Ears 3 - Forage* 21 - Stover*	48 hrs.
	Variegated Cutworm Beet Armyworm Brown Marmorated Stink Bug **	1/2 (0.45 lb ai/acre)		
	Do not apply more than 2.5 pounds (2.25 lb ai) of NUDRIN® SP per acre per year. Do not make more than 5 applications per year. *Corn forage is green actively growing plants that are harvested with the ears intact, then plants can be fed directly to animals or used to make silage. Corn stover are the parts of the plant that remain after removal of the grain at full plant maturity. These remaining stalks and leaves can be fed as roughage to animals. Timing of applications: Do not make more than two applications to corn prior to tassel push. Make 1 application when corn is at 1-2 leaf stage for control of early season pests; make a second application, if needed, 5-7 days later. ** Brown marmorated stink bugs are very mobile pests. They may reinfest the treated area quickly. If another application is needed prior to the minimum application interval, use a different insecticide. Since this product is a contact insecticide, follow direct spraying of the target pest. Use sufficient water to obtain thorough, uniform coverage. Use a minimum of 20 gallons of water per acre for ground applications and 5 gallons of water per acre for aerial applications.			

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Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
Corn (Sweet)	Earworm - Whorl as needed	1/3 - 1/2 (0.3 - 0.45 lb ai/acre)	0 - Ears 3 - Forage 21 - Stover	48 hrs.
	Fall Armyworm Armyworm Earworm - (Ovicide/Larvicide) European Corn Borer - Ears 1-3 days or as needed	1/4 - 1/2 (0.23 - 0.45 lb ai/acre)		
	Corn Rootworm (adult beetles) Flea Beetles Picnic Beetles Aphids			
	Variegated Cutworm Beet Armyworm Brown Marmorated Stink Bug *	1/2 (0.45 lb ai/acre)		
	Certain hybrid varieties of sweet corn are susceptible to methomyl injury. Treat a small area to determine crop safety before full scale spraying. Do not apply more than 7 pounds (6.3 lb ai) of NUDRIN® SP per acre per year. Do not make more than 28 applications per year; minimum interval between treatments is 1 day. Timing of applications: Do not make more than two applications to corn prior to tassel push. Make 1 application when corn is at 1-2 leaf stage for control of early season pests; make a second application, if needed, 5-7 days later. * Brown marmorated stink bugs are very mobile pests. They may reinfest the treated area quickly. If another application is needed prior to the minimum application interval, use a different insecticide. Since this product is a contact insecticide, follow direct spraying of the target pest. Use sufficient water to obtain thorough, uniform coverage. Use a minimum of 20 gallons of water per acre for ground applications and 5 gallons of water per acre for aerial applications			

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Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
<b>Cotton All U.S.</b>	<b>Ovicide/Larvicide -</b> Bollworm, Tobacco Budworm (Initiate schedule when significant numbers of eggs are present. Continue at 3- to 5-day intervals while eggs are present and larval control is adequate. If significant larvae survive, use higher rates below.), Lygus Bugs/Plant Bugs (adults and nymphs) start treatment on low level population for suppression.	1/8 - 1/4 (0.11 - 0.23 lb ai/acre) (see Insect Predator Section)	15	72 hrs.
	Cotton Leafworm	1/4 - 1/2 (0.23 - 0.45 lb ai/acre)		
	Cotton Fleahopper (as needed)	1/8 - 1/4 (0.11 - 0.23 lb ai/acre)		
	Aphids Thrips	1/4 (0.23 lb ai/acre)		
<b>East of Rockies Only</b>	<b>(Early Season)</b> Bollworm, Tobacco Budworm, Beet Armyworm, Cotton Leafperforator, Fall Armyworm, Lygus Bugs/Plant Bugs (adults and nymphs)  Use as occasional spray in regular schedule but not more often than every 10 days.	1/2 (0.45 lb ai/acre)		
	<b>(Late Season)</b> Bollworm, Tobacco Budworm, Beet Armyworm, Cotton Leafperforator, Fall Armyworm, Lygus Bugs/Plant Bugs (adult and nymphs). Up to 3 applications at 3-5 day intervals after desired boll load set on plants.	1/2 - 3/4 (0.45 - 0.68 lb ai/acre)		
<b>Texas</b>	Cotton Aphid	1/4 - 2/3 (0.23 - 0.6 lb ai/acre)		

(continued)

Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
West of Rockies only	<b>Larvicide for worms</b> Bollworm, Fall Armyworm, Tobacco Budworm, Lygus Bugs Beet Armyworm	1/2 - 3/4 (0.45 - 0.68 lb ai/acre)	15	72 hrs.
	Cotton Leafperforator	1/3 - 3/4 (0.3 - 0.68 lb ai/acre)		
	<b>For applications West of the Rockies,</b> make applications on 3-5 day intervals after desired boll load set on plants.  <b>For all cotton applications:</b> Do not apply more than 2 pounds (1.8 lb ai) of NUDRIN® SP per acre per year. Do not make more than 8 applications per year. Use may redden cotton. If excessive stop or alternate with other insecticides. Do not graze or feed.			
Cucumber	Loopers Tobacco Budworm Beet Armyworm Yellowstriped Armyworm Granulate Cutworm Flea Beetles Cucumber Beetles Melon Aphid Melonworm Pickleworm Fall Armyworm	1/2 – 1 (0.45 - 0.9 lb ai/acre)	1/2 lb. -- 1 Over 1/2 lb. -- 3	48 hrs.
	Variegated Cutworm	1/2 (0.45 lb ai/acre)		
	Do not apply more than 6 pounds (5.4 lb ai) of NUDRIN® SP per acre per year. Do not make more than 12 applications per year.			
Eggplant	Green Peach Aphid	1/4 – 1 (0.23 - 0.9 lb ai/acre)	5	48 hrs.
	Tomato Pinworm (Ground Application only) Beet Armyworm Corn Earworm	1/2 – 1 (0.45 - 0.9 lb ai/acre)		
	Do not apply more than 5 pounds (4.5 lb ai) of NUDRIN® SP per acre per year. Do not make more than 10 applications per year.			

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Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
Endive, Escarole	Beet Armyworm	1/2 – 1 (0.45 - 0.9 lb ai/acre)	10	48 hrs.
	Do not apply more than 5 pounds (4.5 lb ai) of NUDRIN® SP per acre per year. Do not make more than 8 applications per year.			
Garlic	Beet Armyworm	1/2 ** (0.45 lb ai/acre)	7	48 hrs.
	Do not apply more than 3 pounds (2.7 lb ai) of NUDRIN® SP per acre per year. Do not make more than 6 applications per year. **Add a wetting agent to improve coverage.			
Grapefruit CA, AZ & HI only	Thrips Fruit-tree Leafroller Orange Tortrix Western Tussock Moth Beet Armyworm	1/2 – 1 (0.45 - 0.9 lb ai/acre)	1	72 hrs.
	Do not apply more than 3 pounds (2.7 lb ai) of NUDRIN® SP per acre per year. Do not make more than 4 applications per year.			
Horseradish Ground application only	Aphids Thrips	1/2 (0.45 lb ai/acre)	65	48 hrs.
	Do not apply more than 2 pounds (1.8 lb ai) of NUDRIN® SP per acre per year. Do not make more than 4 applications per year.			
Leafy Green Vegetables: Beet (tops), Dandelions, Kale, Mustard Greens, Parsley, Swiss Chard, Turnip Greens	Beet Armyworm Cabbage Looper* Diamondback Moth Imported Cabbageworm	1/2 – 1 (0.45 - 0.9 lb ai/acre)	10	48 hrs.
	Do not apply more than 4 pounds (3.6 lb ai) of NUDRIN® SP per acre per year. Do not make more than 8 applications per year. *Do not use for Cabbage Loopers in AL & GA.			
Lemon CA, AZ & HI only	Thrips Western Tussock Moth Orange Tortrix Beet Armyworm	1/2 – 1 (0.45 - 0.9 lb ai/acre)	1	72 hrs.
	Do not apply more than 3 pounds (2.7 lb ai) of NUDRIN® SP per acre per year. Do not make more than 4 applications per year.			

(continued)

Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
Lentils	Western Yellowstriped Armyworm	1/2 – 1 (0.45 - 0.9 lb ai/acre)	21	48 hrs.
	Do not apply more than 1 pound (0.9 lb ai) of NUDRIN® SP per acre per year. Do not make more than 2 applications per year.			
Lettuce (Head and Leaf varieties)	Alfalfa Looper	1/4 – 1 (0.23-0.9 lb ai/acre)	1/4 - 1/2 lb. -- 7 Over 1/2 lb. -- 10	48 hrs.
	Thrips Aphids Beet Armyworm Cabbage Looper Corn Earworm Aster Leafhopper	1/2 – 1 (0.45 - 0.9 lb ai/acre)		
	Variegated Cutworm	1/2 (0.45 lb ai/acre)		
	<b>Lettuce (head varieties)</b> Do not apply more than 7 pounds (6.3 lb ai) of NUDRIN® SP per acre per year. Do not make more than 12 applications per year; minimum interval between treatments is 2 days. <b>Lettuce (leaf varieties)</b> Do not apply more than 4 pounds (3.6 lb ai) of NUDRIN® SP per acre per year. Do not make more than 6 applications per year; minimum interval between treatments is 2 days.			

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Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
<b>Melons</b> Including: Cantaloupe, Casaba, Santa Claus melon, Crenshaw melon, Honeydew melon, Honey balls, Persian melon, Golden Pershaw melon, Mango melon, Pineapple melon, Snake melon, Watermelon	Loopers Tobacco Budworm Beet Armyworm Yellowstriped Armyworm Granulate Cutworm Flea Beetles Cucumber Beetles Melon Aphid Melonworm Pickleworm Fall Armyworm	1/2 – 1 (0.45 - 0.9 lb ai/acre)	1/2 lb. -- 1 Over 1/2 lb. -- 3	48 hrs.
	Variegated Cutworm	1/2 (0.45 lb ai/acre)		
	Do not apply more than 6 pounds (5.4 lb ai) of NUDRIN® SP per acre per year. Do not make more than 12 applications per year.			
<b>Mint</b> (Peppermint, Spearmint)	Variegated Cutworm Alfalfa Looper	1 (0.9 lb ai/acre)	14	48 hrs.
	Flea Beetles	3/4 – 1 (0.68 - 0.9 lb ai/acre)		
	Do not apply more than 2 pounds (1.8 lb ai) of NUDRIN® SP per acre per year. Do not make more than 4 applications per year.			
<b>Nectarine</b> CA & AZ only	Thrips Brown Marmorated Stink Bug *	1/2 – 1 (0.45 - 0.9 lb ai/acre)	1	72 hrs.
	Do not apply more than 3 pounds (2.7 lb ai) of NUDRIN® SP per acre per year. Do not make more than 3 applications per year. * Brown marmorated stink bugs are very mobile pests. They may reinfest the treated area quickly. If another application is needed prior to the minimum application interval, use a different insecticide. Since this product is a contact insecticide, follow direct spraying of the target pest and these of the highest labeled rate. Apply by ground application only and use sufficient water to obtain thorough, uniform coverage. Use a minimum of 50 gallons of water per acre.			

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Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
Onions (Green & Dry Bulb)	Beet Armyworm	1/2 - 1** (0.45 - 0.9 lb ai/acre)	7 - Green and Dry Bulb Onions	48 hrs.
	Thrips*	1** (0.9 lb ai/acre)		
	Variegated Cutworm Black Cutworm			
	<b>Onions, green</b> Do not apply more than 6 pounds (5.4 lb ai) of NUDRIN® SP per acre per year. Do not make more than 8 applications per year; minimum interval between treatments is 5 days. <b>Onions, dry bulb</b> Do not apply more than 4 pounds (3.6 lb ai) of NUDRIN® SP per acre per year. Do not make more than 8 applications per year; minimum treatment interval between treatments is 5 days. <b>*Chemigation:</b> NUDRIN® SP may be applied by overhead sprinkler chemigation to control thrips. Begin applications before thrip populations reach 3-5 thrips per plant. For best results, add a wetting agent. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. <b>**Add a wetting agent to improve coverage.</b>			
Oranges CA, AZ & HI only	Thrips Western Tussock Moth Orange Tortrix Fruit-tree Leafroller Beet Armyworm Citrus Cutworm	1/2 – 1 (0.45 - 0.9 lb ai/acre)	1	72 hrs.
	Do not apply more than 3 pounds (2.7 lb ai) of NUDRIN® SP per acre per year. Do not make more than 4 applications per year.			

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Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
Peaches	Cat-facing Insects (Plant Bugs and Stink Bugs) - Begin at petal fall and continue in cover sprays at 7- to 10-day intervals. Oriental Fruit Moth* - Begin at petal fall; use trapping devices and frequent field inspection to determine need for treatment. Continue treatment in cover sprays and alternate with residual-type insecticides registered for this use. Green Peach Aphid	1 lb. (0.9 lb ai/acre) (or 1/4 lb. per 100 gals. up to 400 gals. per acre)	4	4 days
	Brown Marmorated Stink Bug **	1/2 - 1 (0.45 - 0.9 lb ai/acre)		
	Do not apply more than 6 pounds (5.4 lb ai) of NUDRIN® SP per acre per year. Do not make more than 6 applications per year. *Oriental Fruit Moth (Ground Application Only). ** Brown marmorated stink bugs are very mobile pests. They may reinfest the treated area quickly. If another application is needed prior to the minimum application interval, use a different insecticide.  Since this product is a contact insecticide, follow direct spraying of the target pest and the use of the highest labeled rate. Apply by ground application only and use sufficient water to obtain thorough, uniform coverage. Use a minimum of 50 gallons of water per acre.			

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Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
Peanuts	Corn Earworm* Potato Leafhopper Fall Armyworm	1/4 – 1 (0.23 - 0.9 lb ai/acre)	21	48 hrs.
	Beet Armyworm	3/8 - 1 (0.34-0.9 lb) ai/acre		
	Green Cloverworm Velvetbean Caterpillar Cabbage Looper Soybean Looper** Thrips Granulate Cutworm	1/2 – 1 (0.45 - 0.9 lb ai/acre)		
	Do not apply more than 4 pounds (3.6 lb ai) of NUDRIN® SP per acre per year. Do not make more than 8 applications per year. *NUDRIN® SP has ovicidal and larvicidal control on corn earworm. **Soybean Looper is difficult to control. Do not apply to worms greater than 1 per 2" long. Use higher rate for severe infestations. Do not feed treated vines.			
Pears CT, DE, NH, NJ, NY, MD, ME, MA, PA, RI, and VT	Green Fruitworm Oblique banded Leafroller Brown Marmorated Stink Bug **	1/2 - 1* (0.45 - 0.9 lb ai/acre)	7	48 hrs.
	Do not apply more than 2 pounds (1.8 lb ai) of NUDRIN® SP per acre per year. Do not make more than 2 applications per year. *Apply in a minimum of 50 gallons of water per acre. ** Brown marmorated stink bugs are very mobile pests. They may reinfest the treated area quickly. If another application is needed prior to the minimum application interval, use a different insecticide. Since this product is a contact insecticide, follow direct spraying of the target pest and the use of the highest labeled rate. Apply			

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Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
<b>Peas</b> (succulent) Including: Pigeon peas, Chick peas, Garbanzo beans, Dwarf peas, Garden peas, Green peas, English Peas, Field peas, Edible pod peas	Alfalfa Looper Cabbage Looper*	1/2 – 1 (0.45 - 0.9 lb ai/acre)	1 - Peas 5 - Forage 14 - Hay	48 hrs.
	Pea Aphid Beet Armyworm Saltmarsh Caterpillar Variegated Cutworm			
	Alfalfa Caterpillar Armyworm Green Cloverworm	1/4 – 1 (0.23 - 0.9 lb ai/acre)		
	Do not apply more than 3 pounds (2.7 lb ai) of NUDRIN® SP per acre per year. Do not make more than 6 applications per year; minimum interval between treatments is 3 days. *Do not use for Cabbage Loopers in AL & GA.			
<b>Pecans</b> AL, AR, FL, GA, LA, KY, NC, MS, SC, TN, VA, and WV	Aphids	1/2 – 1 (0.45 - 0.9 lb ai/acre)	30	48 hrs.
	Do not apply more than 7 pounds (6.3 lb ai) of NUDRIN® SP/acre/year. Do not make more than 7 applications per year.			
<b>Peppers</b> Including: Bell, Hot, Pimentos, Sweet	Loopers Beet Armyworm Green Peach Aphid Armyworm Fall Armyworm Brown Marmorated Stink Bug *	1/2 – 1 (0.45 - 0.9 lb ai/acre)	3	48 hrs.
	Variegated Cutworm	1/4 - 1/2 (0.23 - 0.45 lb ai/acre)		
	European Corn Borer	1 (0.9 lb ai/acre)		
	Do not apply more than 4 pounds (3.6 lb ai) of NUDRIN® SP per acre per year. Do not make more than 8 applications per year. * Brown marmorated stink bugs are very mobile pests. They may reinfest the treated area quickly. If another application is needed prior to the minimum application interval, use a different insecticide. Since this product is a contact insecticide, follow direct spraying of the target pest and the use of the highest labeled rate. Use sufficient water to obtain thorough, uniform coverage. Use a minimum of 20 gallons of water per acre for ground applications and 5 gallons of water per acre for aerial applications.			

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Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
Pomegranates	Omnivorous Leafroller	1 (0.9 lb ai/acre)	14	48 hrs.
	Do not apply more than 2 pounds (1.8 lb ai) of NUDRIN® SP per acre per year. Do not make more than 2 applications per year.			
Potato	Tuberworm*	1/2 – 1 (0.45 - 0.9 lb ai/acre)	6	48 hrs.
	Loopers			
	Aphids			
	Beet Armyworm	1/2 (.45 lb ai/acre)		
	Leafhoppers			
Fall Armyworm				
Variegated Cutworm				
Flea Beetles				
Do not apply more than 5 pounds (4.5 lb ai) of NUDRIN® SP per acre per year. Do not make more than 10 applications per year. <b>Chemigation:</b> NUDRIN® SP may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of NUDRIN® SP. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section. *Repeat applications of NUDRIN® SP on a 5-7 day schedule, or longer as needed, to control tuber worm populations. An application schedule of effective insecticides with different modes of action may be needed to keep foliar feeding larval populations as low as possible prior to harvest to reduce the risk of larval damage to the tubers. Failure to adequately control tuberworm larvae prior to crop senescence or vine kill increases the risk of tuber damage.				
Sorghum Including: Sudangrass (Except Sweet Sorghum)	Sorghum Webworm	1/2 * (0.45 lb ai/acre)	14**	48 hrs.
	Sorghum Midge - Apply when 50% bloom and 3-5 days later if needed.	1/4 - 1/2* (0.23 - 0.45 lb ai/acre)		
	Fall Armyworm (Budworm)			
	Beet Armyworm			
Corn Earworm				
Armyworm				
Do not apply more than 1 pound (0.9 lb ai) of NUDRIN® SP per acre per year. Do not make more than 2 applications per year. *Minimum of 10 gallons per acre by ground or 2 gallons per acre by air. **Do not apply within 14 days of feeding forage or cutting for hay.				

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Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI	
Soybeans	Green Cloverworm Velvetbean Caterpillar Mexican Bean Beetle Corn Earworm <b>Light to Moderate infestations</b>	1/8 - 1/4 (0.11 - 0.23 lb ai/acre) (See Insect Predator section)	14 - Soybeans 3 - Forage 12 - Hay	48 hrs.	
	<b>Moderate to severe infestations</b>	1/4 - 1/2 (0.23 - 0.45 lb ai/acre)			
	Soybean Aphid	1/6 - 1/3 (0.15 - 0.3 lb ai/acre)			
	Beet Armyworm Saltmarsh Caterpillar Bean Leaf Beetle Fall Armyworm Thrips Silver Spotted Skipper <b>Light to Moderate infestations</b>	1/4 - 3/8 (0.23 - 0.34 lb ai/acre)			
	<b>Moderate to severe infestations</b>	3/8 - 1/2 (0.34 - 0.45 lb ai/acre)			
	<b>Brown Marmorated Stink Bug *</b>	1/2 (0.45 lb ai/acre)			
	Do not apply more than 1.5 pounds (1.35 lb ai) of NUDRIN® SP per acre per year. Do not make more than 3 applications per year.				
	* Brown marmorated stink bugs are very mobile pests. They may reinfest the treated area quickly. If another application is needed prior to the minimum application interval, use a different insecticide.  Since this product is a contact insecticide, follow direct spraying of the target pest. Use sufficient water to obtain thorough, uniform coverage. Use a minimum of 20 gallons of water per acre for ground applications and 5 gallons of water per acre for aerial applications.				

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Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
Spinach	Alfalfa Loopers Cabbage Looper Beet Armyworm Fall Armyworm	1/2 – 1 (0.45 - 0.9 lb ai/acre)	7	48 hrs.
	Variegated Cutworm	1/2 (0.45 lb ai/acre)		
	Do not apply when minimum daily temperature is 32°F, or lower. Do not apply to seedlings less than 3" diameter. Do not apply more than 4 pounds (3.6 lb ai) of NUDRIN® SP per acre per year. Do not make more than 8 applications per year.			
Sugar Beet	Beet Webworm Flea Beetles Carrión Beetles Beet Armyworm* Aphids* Western Yellowstriped Armyworm*	1/4 – 1 (0.23 - 0.9 lb ai/acre)	30 - Tops 21 - Roots	48 hrs.
	Variegated Cutworm	1/2 (0.45 lb ai/acre)		
	Do not apply more than 5 pounds (4.5 lb ai) of NUDRIN® SP per acre per year. Do not make more than 10 applications per year. <b>*Chemigation:</b> NUDRIN® SP may be applied by overhead sprinkler chemigation to control beet armyworm, aphids and western yellowstriped armyworm. For best results, use the highest listed rate of NUDRIN® SP. Apply in 0.1 to 0.2 inches of water per acre. See <b>CHEMIGATION</b> section for more information.			

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Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
<b>Summer Squash*</b> Including: Crookneck squash, Straightneck squash, Scallop squash, Vegetable marrow, Spaghetti squash, Hyotan, Cucuzza, Hechima, Chinese okra, Bitter melon, Balsam pear, Balsam apple, Chinese Cucumber	Loopers Tobacco Budworm Beet Armyworm Yellowstriped Armyworm Granulate Cutworm Flea Beetles Cucumber Beetles Melon Aphid Melonworm Pickleworm Fall Armyworm	1/2 – 1 (0.45 - 0.9 lb ai/acre)	1/2 lb. -- 1 day Over 1/2 lb. -- 3 days	48 hrs.
	Do not apply more than 6 pounds (5.4 lb ai) of NUDRIN® SP per acre per year. Do not make more than 12 applications per year. *Fruit of the Gourd (Cucurbit accae) family that are consumed when immature, 100% of the fruit is edible cooked or raw, once picked cannot be stored, has a soft rind which is easily penetrated, and if seeds were harvested they would not germinate.			
<b>Tangelo, Tangerine</b> CA, AZ & HI only	Thrips Western Tussock Moth Orange Tortrix Beet Armyworm	1/2 – 1 (0.45 - 0.9 lb ai/acre)	1	72 hrs.
	Do not apply more than 3 pounds (2.7 lb ai) of NUDRIN® SP per acre per year. Do not make more than 4 applications per year.			
<b>Tobacco</b> (Except shade)	Flea Beetle Hornworm	1/4 - 1/2 (0.23 - 0.45 lb ai/acre)	5 - Flue cured 14 - Air or fire cured	48 hrs.
	Loopers Aphids Tobacco Budworm Fall Armyworm	1/2 (0.45 lb ai/acre)		
	Do not apply more than 2.5 pounds (2.25 lb ai) of NUDRIN® SP per acre per year. Do not make more than 5 applications per year.			

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Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
Tomato (Including Tomatillos*)	Tomato Fruitworm	1/2 – 1 (0.45 - 0.9 lb ai/acre)	1	48 hrs.
	Aphids			
	Hornworm			
	Loopers			
	Beet Armyworm			
	Southern Armyworm			
	Pinworm			
	Armyworm			
	Fall Armyworm			
	Brown Marmorated Stink Bug **			
	Variegated Cutworm	1/2 (0.45 lb ai/acre)		
Do not apply more than 7 pounds (6.3 lb ai) of NUDRIN® SP per acre per year. Do not make more than 16 applications per year. *For tomatillos do not apply more than 5 pounds of NUDRIN® SP per acre per year. Do not make more than 5 applications per year. ** Brown marmorated stink bugs are very mobile pests. They may reinfest the treated area quickly. If another application is needed prior to the minimum application interval, use a different insecticide. Since this product is a contact insecticide, follow direct spraying of the target pest and the use of the highest labeled rate. Use sufficient water to obtain thorough, uniform coverage. Use a minimum of 20 gallons of water per acre for ground applications and 5 gallons of water per acre for aerial applications.				
Turf (For use on sod farms only)	Sod Webworm (after application, sprinkle irrigate for 15 minutes)	1 (0.9 lb ai/acre) (2/5 oz. per 1,000 sq. ft.)		48 hrs.
	Do not apply more than 4 pounds (3.6 lb ai) of NUDRIN® SP per acre per year. Do not make more than 4 applications per year. Do not graze or feed.			

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Crops	Insects	Rate NUDRIN® SP Lbs. Per Acre	Last Application - Days To Harvest	REI
Wheat (States of Idaho, Oregon, and Washington only)	Armyworms Cereal Leaf Beetle* Aphids**	1/4 - 1/2 (0.23 - 0.45 lb ai/acre)	7	48 hrs.
	Brown Marmorated Stink Bug ***	1/2 (0.45 lb ai/acre)		
	Do not apply more than 2 pounds (1.8 lb ai) of NUDRIN® SP per acre per year. Do not make more than 4 applications per year. <b>Chemigation:</b> NUDRIN® SP may be applied by overhead sprinkler chemigation. For best results, use the highest listed rate of NUDRIN® SP. Apply in 0.1 to 0.2 inches of water per acre. See CHEMIGATION section for more information. <b>*Cereal leaf beetle:</b> NUDRIN® SP can provide contact ovicidal effect on cereal leaf beetle eggs when applied according to label directions. Application should be timed to correspond with the appearance of newly laid eggs or in anticipation of egg hatch to achieve maximum ovicidal effect. Use on this pest stage (egg) is not currently registered in California. <b>**Aphids:</b> For aphid control, crop must be actively growing and not under stress from adverse environmental conditions (such as, extreme temperatures or drought). Applications to s on Russian wheat aphid need to begin when aphid population is low (<10 adults per stem). <b>***</b> Brown marmorated stink bugs are very mobile pests. They may reinfest the treated area quickly. If another application is needed prior to the minimum application interval, use a different insecticide. Since this product is a contact insecticide, follow direct spraying of the target pest. Use sufficient water to obtain thorough, uniform coverage. Use a minimum of 20 gallons of water per acre for ground applications and 5 gallons of water per acre for aerial applications.			

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Handle this package carefully to prevent breakage of inner bag when stored at low temperatures. Allow to warm above 50°F for normal handling. Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Not for use or storage in or around the home.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### **CONTAINER DISPOSAL:**

**For Water Soluble Packets:** Do not reuse the outer box or the resealable plastic bag. When all water-soluble packets are used, the outer packaging should be clean and may be disposed of in a sanitary landfill or by incineration, or if allowed by state and local authorities, by open burning. If burned, stay out of smoke. If the resealable plastic bag contacts the formulated product in any way, the bag must be triple-rinsed with clean water. Add the rinsate to the spray tank and dispose of the outer wrap as described above.

**For Paper and Plastic Bags:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**In the event of a major spill, fire or other emergency, call CHEMTREC Day or Night, 1-800-424-9300.**



## CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of ALBAUGH, LLC – Rotam North America Division or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold ALBAUGH, LLC – Rotam North America Division and Seller harmless for any claims relating to such factors.

ALBAUGH, LLC – Rotam North America Division warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or ALBAUGH, LLC – Rotam North America Division, and Buyer and User assume the risk of any such use. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW ALBAUGH, LLC – ROTAM NORTH AMERICA DIVISION MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

To the extent consistent with applicable law, ALBAUGH, LLC – Rotam North America Division or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ALBAUGH, LLC – ROTAM NORTH AMERICA DIVISION AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ALBAUGH, LLC – ROTAM NORTH AMERICA DIVISION OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

ALBAUGH, LLC – Rotam North America Division and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of ALBAUGH, LLC – Rotam North America Division.