



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

January 10, 2022

Ms. Rachel L. Hardie  
Regulatory Consultant  
D-1-1-4, Division of 1,4Group, Inc.  
c/o Technology Sciences Group Inc.  
1150 18<sup>th</sup> St. NW.  
Suite 1000  
Washington, DC 20036

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Adding marketing language; reformatting; updating warranty statement and Spanish language text.

Product Name: 1,4SHIP®

EPA Registration Number: 67727-4

Application Date: 12-13-21

OPP Submission Number: 1079593

OPP Case Number: 00337346

Dear Ms. Hardie:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or

Page 2 of 2

EPA Reg. No. 67727-4

OPP Submission No. 1079593

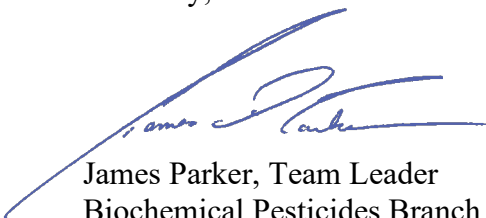
OPP Case No. 00337346

misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

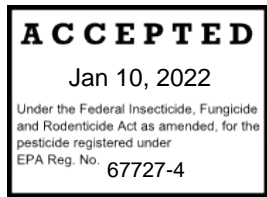
If you have any questions, please contact Nina Naimy via email at [naimy.nina@epa.gov](mailto:naimy.nina@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "James Parker", is written over a horizontal line.

James Parker, Team Leader  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

Enclosure



# 1,4SHIP®

**Ready-To-Use Aerosol  
(Potato) (Root, Tuber and Bulb (Crop)) Dormancy Enhancer  
For Use on (Potatoes) (Root, Tuber and Bulb Crops) Prepared for Transportation  
(train, truck, ship graphics)**

	(By Weight)
<b>Active Ingredient:</b>	1,4-Dimethylnaphthalene* ..... 63.8%
<b>Other Ingredients:</b>	..... 36.2%
<b>TOTAL</b>	..... 100.0%

\*Contains 3.83 ounces active ingredient per can.

**Keep Out of Reach of Children  
WARNING**

<b>FIRST AID</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>Emergency Information</b>	
For spill, leak, fire, exposure or accident call PERS 1-800-633-8253.	

(Follow the Directions for Use as labeled on the outer carton when applying this product.) (See inside for First Aid and Precautionary Statements.)

**HIGHLY FLAMMABLE INGREDIENT (fire graphic) INGREDIENTE ALTAMENTE INFLAMABLE  
Do Not Smoke During Application or Near Treated Area!**

**Net Contents:** 6 oz.  
**EPA Reg. Number:** 67727-4  
**(Lot No./Batch No.:** \_\_\_\_\_)  
**Manufactured for:**

**EPA Est. Number:** XXXXX-XXX-XXX

D-1-1-4, Inc., a division of 1,4Group, Inc.  
2307 E. Commercial St., Ste A  
Meridian, ID 83642 USA

## PRECAUTIONARY STATEMENTS

**Hazards to Humans and Domestic Animals – WARNING:** Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through skin. May be harmful if inhaled. Do not get in eyes or on clothing. Wear protective eyewear (goggles or face shield). Avoid contact with skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

**Physical or Chemical Hazards:** Extremely flammable. Contents under pressure. Keep away from fire, sparks, and heated surfaces. Do not puncture or incinerate container. Exposure to temperatures above 120°F may cause bursting. This product contains a highly flammable ingredient. It may cause a fire or explosion if not used properly. Follow the “Directions for Use” on this label very carefully.

## DIRECTIONS FOR USE

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

## NOTICE

- 1,4SHIP® is a ready-to-use aerosol which enhances [potato] dormancy and reduces fungal growth in [potatoes] [and other root and tuber crops, bulb crops, and ornamental flowering bulbs] prepared for transportation.
- During and for 30 minutes after the application, do not smoke, weld, cut metal, or allow open flame, high temperature surfaces, or other ignition sources to be near the treated area.
- Applicators and other handlers must wear: long-sleeved shirt, long pants, shoes, socks, protective eyewear (goggles or face shield), and chemical resistant (such as nitrile or butyl) gloves.
- When either a rail car or cold storage room is treated with more than one can, applicators and other handlers must additionally wear a respirator. Refer to the reentry statement below for acceptable respirator type.
- For reentry into treated areas during application or within 30 minutes post-application, for **emergencies** only, workers must wear: coveralls over long-sleeved shirt, long pants, shoes plus socks, and chemical resistant (such as nitrile or butyl) gloves; face-sealing goggles, unless a full-face respirator is worn; and a respirator with an organic vapor-removing cartridge with a pre-filter approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter.
- 1,4SHIP® is a short term dormancy enhancer which will not adversely affect eventual germination of seed potatoes (or other crops held) for future planting.
- Let 60 days elapse before using a treated area as storage of seed potatoes or other sprouting root, tuber and bulb crops. Air system and building must be thoroughly ventilated before area is used for storage of seed potatoes (or other sprouting root, tuber and bulb crops).
- Do not allow vapors to come in contact with storage areas used for seed potatoes (or other sprouting root, tuber and bulb crops) within 30 days of their planting.

## *(Optional text/section on CROPS)*

### CROPS

1,4SHIP® is effective on the following sprouting root and tuber crops:

Beet

Carrot  
Cassava  
Dasheen (taro)  
Ginger  
Ginseng  
Horseradish  
Parsnip  
Potato  
Sweet potato  
Turnip  
Yam

1,4SHIP® is effective on the following sprouting bulb crops:

Garlic  
Leek  
Onion  
Shallot

1,4SHIP® is effective on the following sprouting ornamentals:

Flowering bulbs

#### **APPLICATION OF 1,4SHIP®**

1. Fill the area to be treated (truck, rail car, shipping container, or cold storage room) with potatoes [the crop] and close all but the exit door.
2. Turn off all electrical equipment (air circulators, refrigeration, etc.) in the treatment area prior to application. Turn off lighting in treatment area and allow to cool prior to application.
3. Remove top portion of box by pulling the separator at the arrow symbol. Take out the enclosed 1,4SHIP® tag and note the date and time of application on the space provided.
4. Position the box(es) containing the can(s) in opposite corners of the treatment area, so vapors will be dispersed throughout the area. In trucks, place box(es) at the end farthest away from the refrigeration unit (near doors).
5. Remove the back side of the double-sided tape and adhere the box containing the can to an inside cargo wall, in an area with some open volume of air around it.
6. Without removing the can from the box, remove the can cap and depress the trigger until it locks.
7. Immediately leave the area and close the exit door.
8. Feed a door seal through the 1,4SHIP® tag and affix the seal to the exit door.
9. Do not open or enter treated area for at least 30 minutes. Do not start any electrical system within the cargo area for at least 30 minutes.
10. It is advantageous to keep the treated area closed as long as practical to allow for maximum product absorption into the potatoes [the crop].

#### **APPLICATION TIMING AND RATE**

Application of 1,4SHIP® can be made anytime after the potatoes (or other root and tuber crops, bulb crops, or ornamental flowering bulbs) are removed from storage, prepared for shipment, and placed either in a truck sea-going shipping container, rail car, or a cold storage room. Do not exceed recommended maximum number of cans. At the maximum use rate, this can will

treat 20,000 lbs (200 cwt) of potatoes [or other root and tuber crops, bulb crops, or ornamental flowering bulbs].

1. In trucks and shipping containers, apply at the rate of 2 cans per 40,000 lbs (400 cwt) of potatoes (or other root and tuber crops, bulb crops, or ornamental flowering bulbs).
2. In rail cars, apply at the rate of up to 10 cans per 200,000lbs (200 cwt) of potatoes (or other root and tuber crops, bulb crops, or ornamental flowering bulbs).
3. In cold storage rooms, apply at a maximum rate of 1 can per 1500 cubic feet and 20,000 lbs (200 cwt) of potatoes (or other root and tuber crops, bulb crops, or ornamental flowering bulbs).

(Optional conversion information: 1 cwt. = 100 lbs = 2.5 cubic feet; 1 ton = 20 cwt.)

### **STORAGE AND DISPOSAL**

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

#### **PESTICIDE STORAGE**

Store product in unopened, labeled packaging. Do not store product near or expose product to sources of heat, including open flame, sparks, welding operations, etc.

#### **PESTICIDE DISPOSAL**

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

#### **CONTAINER HANDLING**

Do Not Puncture or Incinerate! **Nonrefillable container. Do not reuse or refill this container.** If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions.

### **IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties, Limitations of Liability, and Notice before using this product. If the terms are not acceptable, return the unopened product container immediately.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties, Limitations of Liability, and Notice.

**CONDITIONS:** This product is intended to be used and applied by a licensed professional. The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of 1,4GROUP, Inc. To the extent consistent with applicable law, all such risks shall be assumed by the buyer or user.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, 1,4GROUP, INC. MAKES NO WARRANTIES EXCEPT AS SPECIFICALLY STATED ON THE PRODUCT LABEL AND SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS

FOR A PARTICULAR PURPOSE. 1,4GROUP, INC. DOES NOT WARRANT RESULTS. No agent or licensee of 1,4GROUP, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL 1,4GROUP, INC. BE LIABLE TO THE BUYER, USER, OR ANY OTHER THIRD PARTY FOR ANY INDIRECT, INCIDENTAL, SPECIAL, CONSEQUENTIAL, PUNITIVE, OR EXEMPLARY DAMAGE (INCLUDING, WITHOUT LIMITATION, LOST PROFITS, LOST SAVINGS, OR LOST BUSINESS OPPORTUNITY) FROM THE USE OR HANDLING OF THIS PRODUCT. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, 1,4GROUP, INC.'S LIABILITY IS LIMITED TO REPLACEMENT OF ANY PRODUCT, WITHIN THE CONTINENTAL UNITED STATES, THAT WAS NOT IN CONFORMANCE WITH THE PRODUCT LABEL AT THE TIME OF SHIPMENT. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW , IN NO EVENT SHALL 1,4GROUP, INC.'S LIABILITY FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, EXCEED THE PURCHASE PRICE PAID.

“1,4SHIP® is a registered trademark of 1,4GROUP chemicals for agriculture.”

{Note to reviewer – optional text denoted with brackets [ ].}

### Optional Label Claims:

#### *Product benefits:*

- Biochemical delays sprouting, so smaller [buds] [sprouts] on [potatoes] [root and tuber crops] [bulb crops] [and] [ornamental flowering bulbs] [and other sprouting crops].
- Enhances the [potato's] [onion's] [tuber's] [bulb's] ability to heal cuts and bruises.
  - Reduces respiration, resulting in less water loss.
  - Reduces refrigeration and ventilation needs.
  - Reduces pressure bruising.
  - Firmer [potatoes] [onions] [bulbs] with improved visual appearance.
  - [This product] [1,4SHIP] is effective against [fungal] plant pathogens.
  - Helps [to] prevent internal sprouting.
  - [Has the ability to] [inhibits] [or] [reduces] pathogen growth.
  - Helps to reduce color formation due to storage bruising.
  - Helps to reduce color formation of bruising due to mechanical handling
  - Enhances tuber suberization.
  - Can extend shelf-life of treated potatoes.
  - [Can] Slow[s] the conversion of starches into sugars.
  - [Can] Increase[s] potatoes natural resistance to pathogens.

#### **(OPTIONAL SPANISH TRANSLATIONS OF HEALTH AND SAFETY INFORMATION:**

##### **MANTENER FUERA DEL ALCANCE DE LOS NIÑOS ADVERTENCIA MEDIDAS DE PRECAUCIÓN**

#### **Peligros Para los Seres Humanos y los Animales Domésticos – Advertencia:**

Provoca lesiones oculares significativas pero temporales. Nocivo si se ingiere o absorbe a través de la piel. No aplicar sobre los ojos ni la ropa. Use gafas protectoras (gafas o protector facial). Evite el contacto con la piel. Lávese bien con agua y jabón después de manipular el producto y antes de comer, beber, mascar chicle, usar tabaco o ir al baño. Quítese la ropa contaminada y lave la ropa antes de volver a utilizarla.



**Peligros Físicos o Químicos:**

Extremadamente inflamable. Contenido bajo presión. Mantener alejado del fuego, las chispas y las superficies calientes. No perforar ni incinerar el recipiente. La exposición a temperaturas superiores a 48,9°C (120°F) pueden provocar explosiones. Este producto contiene un ingrediente altamente inflamable, puede provocar un incendio o una explosión si no se utiliza correctamente. Siga las "Instrucciones de uso" en esta etiqueta con mucho cuidado.

**Primeros Auxilios**

Al momento de llamar al centro de toxicología o al médico o de buscar tratamiento, lleve el envase o la etiqueta del producto.

**Si entra en contacto con los ojos:** Mantenga los ojos abiertos y enjuague lenta y suavemente con agua entre 15 a 20 minutos. Sáquese las lentes de contacto después de los primeros 5 minutos, si usa y luego continúe enjuagándose los ojos. Llame a un centro de toxicología o un médico para recibir asesoramiento médico.

**Si se ingiere:** Llame a un centro de toxicología o un médico para recibir asesoramiento de tratamiento de inmediato. Haga que la persona beba un sorbo de agua, si puede tragar. No induzca el vómito, a menos que se lo indique el centro de toxicología o un médico. No le dé nada por boca a una persona inconsciente.

**Si entra en contacto con la piel o la ropa:** Quítese la ropa contaminada. Enjuague la piel inmediatamente con abundante agua entre 15 a 20 minutos. Llame a un centro de toxicología o un médico para recibir asesoramiento médico.

**Si se inhala:** Traslade a la persona al aire libre. Si la persona no respira llame al 911 o a una ambulancia, luego dé respiración artificial, preferiblemente boca a boca, si fuera posible. Llame a un centro de toxicología o un médico para recibir asesoramiento médico.

**Información de Emergencia**

En caso de derrames, fugas, incendios, exposición o accidentes llame a PERS 1-800-633-8253.

**¡No Fume Durante la Aplicación Ni Cerca del Área Tratada!**

**Contenido neto 12-6 oz. latas**

**ALMACENAMIENTO Y DESECHO**

No contamine el agua, los alimentos o comederos con el almacenamiento o el desecho del producto.

**ALMACENAMIENTO DE PESTICIDAS:**

- Almacene el producto en envases cerrados y etiquetados. No almacene el producto cerca de fuentes de calor como, por ejemplo, llamas abiertas, chispas, trabajos de soldadura, etc., o lo exponga a ellas.

**DESECHO DE PESTICIDAS:**

- Los residuos resultantes del uso de este producto se pueden eliminar in situ o en

instalaciones para tratamiento de desechos.

**MANEJO DE LOS RECIPIENTES:**

• No perforo ni incinere. **Recipiente no recargable. No reutilice ni vuelva a llenar este recipiente.** Si está vacío: Arrójelo a la basura u ofrézcalo para reciclado, si estuviera esta opción disponible. Si está parcialmente lleno: Llame a su agencia local de residuos sólidos o al 1-800-CLEANUP para obtener instrucciones para el desecho.

Es una violación de la ley federal usar este producto de una manera inconsistente con su etiquetado.

**AVISO**

- 1,4SHIP® es un aerosol listo para usar que mejora la latencia de las papas y reduce el crecimiento de hongos patógenos en las papas preparadas para el transporte.
- Durante 30 minutos luego de la aplicación no fume, suelde, corte metal ni permita el acceso al fuego expuesto, las superficies de alta temperatura u otras fuentes de ignición cerca de la zona tratada.
- Si se usa más de una lata para tratar un vagón de ferrocarril o el almacén, los aplicadores y otros trabajadores además deben usar un respirador. Consulte la siguiente declaración de reingreso para conocer el tipo de respirador aceptado.
- Para volver a ingresar a las áreas tratadas durante la aplicación o dentro de los 30 minutos posteriores a la aplicación, solo para emergencias, los trabajadores deben usar: overoles completos de manga larga, pantalones largos, zapatos más calcetines y guantes resistentes a productos químicos (de nitrilo o butilo); gafas completamente cerradas, a menos que se use un respirador con máscara completa; y un respirador con un cartucho de extracción de vapor orgánico con un prefiltro aprobado para pesticidas (prefijo de número de aprobación MSHA/NIOSH TC-23C) o un recipiente aprobado para pesticidas (prefijo de número de homologación MSHA/NIOSH TC-14G), o un respirador aprobado por NIOSH con un cartucho o recipiente para vapor orgánico (OV) con cualquier prefiltro R, P o HE.
- 1,4SHIP® es un potenciador de la latencia a corto plazo que no debe afectar negativamente la eventual germinación de las papas de siembra para futuras plantaciones.
- Deje que transcurran 60 días antes de utilizar el área tratada como almacenamiento para papas de siembra. El sistema de aire y el edificio deben ventilarse a fondo antes de utilizar el área para el almacenamiento de las papas de siembra.
- No permita que los vapores entren en contacto con las áreas de almacenamiento para las papas de siembra dentro de los 30 días de su plantación.

No abra ni entre en el área tratada durante al menos 30 minutos. No inicie ningún sistema eléctrico dentro del área de carga durante al menos 30 minutos).

*Marketing:*

- Peel back for instructions
- This page intentionally left blank
- 1 system 4 all your needs
- 1 4SIGHT®
- 1 4SHIP®
- 1 4SEED®
- 1 4ZAP®
- Our clients enjoy a complete system of products, optimally designed to work together
- Included in the (1,4Group)(One Four Group) Product Portfolio: (Sprout Torch® - Organic Use) (PIN NIP® 98% CIPC) (Spud Guard® 2 EC)

**Additional Optional Text:**

- Peel back for instructions
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