

U.S. ENVIRONMENTAL PROTECTION **AGENCY**

Office of Pesticide Programs Registration Division (7505P) **Ariel Rios Building** 1200 Pennsylvania Ave., NW Washington, D.C. 20460

EPA Reg. Number:

Date of Issuance:

66330-412

APR 12 2012

Term of Issuance: unconditional

Name of Pesticide Product:

ARY 0411-0485 Tank Mix Herbicide

NOTICE OF PESTICIDE:

x Registration Reregistration (under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Arysta LifeScience North America, LLC. 15401 Weston Parkway, Suite 150 Cary, North Carolina 27513

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

The basic formulation (dated 11/21/2011) is acceptable and will be added to your file.

This product is registered in accordance with FIFRA section 3(c)(5) provided that you:

- 1. Submit and/or cite all data required for registration review/reregistration of your product when the Agency requires all registrants of similar products to submit data.
- 2. Make the following label revision:
 - a. Revise "EPA REG. NO.66330-xxxx" to "EPA REG. NO. 66330-412."
 - b. Assure that the establishment number and net contents are also added to the final printed labeling.
 - c. Assure that a batch code is included on non-refillable containers.
- 3. Submit one (1) copy of the revised final printed labeling for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec.6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the labeling is enclosed for your records.

If you have any questions regarding this notice, please contact Beth Benbow of my staff at 703-347-8072.

Signature of Approving Official:

Kathryn V. Montague

Project Manager 23

Herbicide Branch

Registration Division (7505P)

Date:

APR 1 2 2012

EPA Form 8570-6

ACCEPTED 2317

APR 1 2 2012

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended for the postloide registered under APA Reg. No. 10(22) - 12

ARY 0411-0485 Tank Mix Herbicide

For use on Beans and Peas (dry shelled), Mint (spearmint and peppermint), and Soybeans.

Component A (Herbicide A)

ACTIVE INCREDIENT	GROUP 1 HERBICIDE
*Clethodim	
	100.0%
*(E)-2[1-[[(3-chloro-2-propenyl)oxy]limino]propyl]-5-[2-(Contains the same active ingredient as SHADOW ULT	

Contains: 1.0 lb Clethodim per gallon

Component B (Herbicide B)

**Sodium salt of bentazon 44.0%

OTHER INGREDIENTS: 56.0%

TOTAL: 100.0%

** (3-(1-methylethyl)-1*H*-2,1,3-benzothiadiazin-4 (3*H*)-one 2,2-dioxide)

Contains the same active ingredient as BASAGRAN HERBICIDE

Contains: 4.0 lb Bentazon per gallon

CAUTION / PRECAUCION

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.)

	FIRST AID
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 do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. 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 first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid, which can cause pneumonitis. If ingested, probable mucosal damage may contraindicate the use of gastric lavage.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR 24- HOUR EMERGENY MEDICAL ASSISTANCE CALL: 1-866-303-6952 FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300

EPA REG. NO.: 66330-XXX

AD

EPA EST. NO.: xxx-xx-xx NET CONTENTS:

MANUFACTURED FOR: ARYSTA LIFESCIENCE NORTH AMERICA, LLC 15401 WESTON PARKWAY, SUITE 150 CARY, NC 27513

See back panel for additional precautionary statements.

ARY 0411-0485 Tank Mix Herbicide

ARY 0411-0485 Tank Mix Herbicide is a combination product containing the active ingredients Clethodim and Bentazon. Component A (Herbicide A) must be used in combination with 1.67 parts Component B (Herbicide B).

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION. Harmful if swallowed or if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as Barrier Laminate or Viton ≥ 14 mils
- Shoes plus socks
- Protective eyewear

Discard clothing and 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 exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as
 possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not apply where weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwater or rinsate.

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

Do not allow sprays to drift onto adjacent desirable plants.

The use of this product may pose a hazard to the federally designated endangered species of Solano Grass and Wild Rice. Use of this product is prohibited in the following areas where the species are known to exist:

Solano Grass: Solano County, California: the vernal lakes area bounded by the Union Pacific Railroad and Hastings Road to the north, Highway 113 to the east, Highway 12 to the south, and Travis Air Force Base to the west.

Wild Rice: Hays County, Texas

Important

Read these entire DIRECTIONS FOR USE and WARRANTY AND DISCLAIMER STATEMENT before using this product.

DIRECTIONS FOR USE

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.

Component A (Herbicide A) must be used in combination with 1.67 parts Component B (Herbicide B).

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) of 48 hours following application.

Exception: 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, such as Barrier Laminate or Viton ≥ 14 mils
- Shoes plus socks
- Protective eyewear.

PRODUCT INFORMATION

This product is a combination of selective postemergence herbicides for control of annual grasses, sedges and broadleaf weeds. The treated grass weeds show a reduction in vigor and growth. Early chlorosis/necrosis of younger plant tissue is followed by a progressive collapse of the remaining foliage. Depending on grass species treated and environmental conditions, symptoms will generally be observed in 7 to 14 days after application. Treated broadleaf weeds are controlled mainly through contact action. Thorough coverage is essential for broadleaf weed control. Broadleaf activity is enhanced by periods of sunlight and warm temperatures and higher humidity. Avoid contact of this product with sensitive grass and broadleaf crops, such as corn, cotton, rice, sorghum, small grains, sugar beet, sunflower or turf as these and other crops will be injured or killed.

This product is for use on the following crops:

Beans and Peas (dry shelled)¹, Mint (spearmint and peppermint), and Soybeans

¹ Other Dry Shelled Bean and Pea crops approved for use with this product include: kidney bean, lima (dry) bean, navy bean, pinto bean adzuki bean, pink bean, great northern bean, red bean, white bean, cranberry bean, black turtle bean, dry snap bean and Pea (*Pisum* spp.) field (dry edible peas).

Not for use in California

RESISTANCE MANGEMENT

For resistance management, ARY 0411-0485 TANK MIX HERBICIDE is a combination of an Herbicide Resistance Action Committee (HRAC) Group A Herbicide, an acetyl CoA carboxylase (ACCase) inhibitor (Weed Science Society of America (WSSA) Group 1) and an HRAC Group C₃ Herbicide, a photosynthesis II inhibitor (WSSA Group 6). Any weed population may contain or develop plants naturally resistant to an herbicidal mode of action. Resistant biotypes can eventually dominate the weed population if herbicides with an identical mode of action are used repeatedly on the same site. If this happens, control of resistant biotypes will not occur unless an herbicide with a different mode of action is utilized. Whenever possible, tank mix or rotate the use of ARY 0411-0485 TANK MIX HERBICIDE with herbicides that have a different mode of action. Repeated use of ARY 0411-0485 TANK MIX HERBICIDE (or similar postemergence herbicides with the same modes of action – ACCASE inhibitor and photosynthesis II inhibitor) may lead to the selection of naturally occurring biotypes that are resistant to these products in some grass species.

If poor performance occurs and cannot be attributed to adverse weather or application conditions, a resistant biotype may be present. Where other control strategies, such as crop rotation, mechanical removal, and other classes of herbicides are not used in fields from year to year, this is most likely to occur.

Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. The use of ARY 0411-0485 TANK MIX HERBICIDE should conform to resistance management strategies established for the use area. Consult with your chemical dealer, consultant, agricultural extension specialist or agricultural advisor for resistance management strategies for your area.

RESTRICTIONS AND LIMITATIONS

- Not for use in California.
- For use only in: Bean and Pea (dry shelled)¹, Mint (spearmint and peppermint), and Soybeans
- Do not apply by chemigation or through any type of irrigation system
- Tank mixes of ARY 0411-0485 TANK MIX HERBICIDE with other broadleaf herbicides may result in reduced grass control. If grass regrowth occurs, an additional application of a grass herbicide may be necessary.
- Always read and follow label directions of all products. Always follow the most restrictive label language
 for all products whether used alone or in a tank mix. The most restrictive label language of any product
 used applies in tank mixtures, including all crop rotational and other crop restrictions.
- Do not apply to crops subjected to stress conditions such as hail damage, flooding, drought, injury from other herbicides, or widely fluctuating temperatures, as crop injury may result.
- Do not apply if rain is expected within 4 hours of application. Rainfall within 4 hours after application may reduce broadleaf weed control.
- Do not apply more than 102 fl oz/A per season of ARY 0411-0485 TANK MIX HERBICIDE for all crops except dry peas.
- Do not apply more than a total of 2 lbs ai of Bentazon (Component B) for all crops per season.
- Do not apply more than a total of 0.5 lbs of ai of Clethodim (Component A) for all crops except dry peas.
- Do not apply more than a total of 0.125 lbs of ai of Clethodim (Component A) for dry peas.
- Do not apply more than one application of ARY 0411-0485 TANK MIX HERBICIDE per season to dry peas and do not exceed 43 fl oz/A of ARY 0411-0485 TANK MIX HERBICIDE (equal to 16 fl oz Component A and 27 fl oz Component B per acre) to dry peas.
- Do not exceed 85 fl oz/A of ARY 0411-0485 TANK MIX HERBICIDE (equal to 32 fl oz Component A and 53 fl oz Component B per acre) in a single application to dry bean, soybean or mint. Do not exceed a seasonal total of 102 fl oz/A ARY 0411-0485 TANK MIX HERBICIDE (equal to 38 fl oz Component A and 64 fl oz of Component B per acre).

Beans, Dry

- Do not apply to dry bean fields until beans have at least the first trifoliate leaf fully expanded because severe crop damage may occur.
- Do not apply ARY 0411-0485 TANK MIX HERBICIDE as a solo treatment to dry beans grown in Georgia and South Carolina as severe crop damage may occur.
- Do not apply to dry beans within 30 days of harvest.
- Maintain a 14 day interval for repeat applications to dry beans.

Peppermint and Spearmint

- Peppermint and spearmint are tolerant to ARY 0411-0485 TANK MIX HERBICIDE; however, some leaf burning may occur under certain conditions such as when plants are very actively growing and have extensive new, succulent tissue. Mint plants generally outgrow this condition within 10 days.
- Do not apply to mint within 21 days of harvest.
- Maintain a 14 day interval for repeat applications.

Peas, Dry

- Do not apply ARY 0411-0485 TANK MIX HERBICIDE as a solo treatment to dry beans grown in Georgia and South Carolina as severe crop damage may occur.
- Do not apply to dry peas within 30 days of harvest.
- Do not apply to field peas prior to 3 pairs of leaves are present or during the onset and duration of boom.
- Do not apply to field peas that are under stress from root rot.
- · Do not apply to field peas during bloom.

Soybeans

- Do not graze treated soybean fields or feed treated soybean forage or hay to livestock.
- Do not apply more than 102 fl oz/A of ARY 0411-0485 TANK MIX HERBICIDE per season to soybeans.
- Do not apply to soybeans within 60 days of harvest.

Maintain a 14 day interval for repeat applications to soybeans.

APPLICATION PROCEDURES

MIXING INSTRUCTIONS

Ensure the spray tank is clean. In –line strainers and nozzle screens should be clean and 50 mesh or coarser.

- 1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water.
- 2. While agitating, add nitrogen fertilizer adjuvant
- 3. Add tank mix partner if necessary and mix thoroughly.
- 4. Add the correct amount of Component B (Herbicide B).
- 5. Add the correct amount of Component A (Herbicide A).
- 6. Add any additional adjuvants (crop oil concentrate, nonionic surfactant) if necessary.
- Fill spray tank to desired level with water.
- 7. 8. Maintain sufficient agitation during both mixing and application.
- 9. Spray entire mixture within 48 hours after mixing.

Compatibility - verify tank mix partner mixing and compatibility qualities by conducting a jar test.

GROUND APPLICATION

To ensure complete coverage, it is essential to use sufficient spray volumes and pressure to deliver a medium to coarse droplet size. Use 10-20 gallons of spray solution per acre. Set spray pressures to achieve a medium or coarse droplet size. Do not use flood nozzles.

AIR APPLICATION

Use a minimum of 5 gallons of spray solution per acre. If foliage becomes dense, increase spray volumes up to 10 gallons. In Mint 10 gallons of solution per acre should be applied.

Use only diaphragm-type nozzles that produce cone or fan spray patterns. Nozzles must not be more than 10 feet above the crop. Nozzles must be oriented to discharge straight back with the air stream (opposite the direction of travel of the aircraft) or at some angle between straight back and straight down.

To obtain uniform coverage and to avoid drift hazards, follow these guidelines:

Do not apply by aircraft when wind is blowing more than 10 mph

Use coarse sprays (larger droplets) as they are less likely to drift

Do not apply by air if sensitive broadleaf species (such as cotton, sugar beets, sunflowers, or okra) or grass species (such as corn, sorghum, or small grains) are within 200 feet downwind

The applicator must follow the most restrictive use cautions to avoid drift hazards, including those found in this labeling as well as applicable state and local regulations and ordinances.

SPRAY DRIFT MANAGEMENT

The interaction of many equipment and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions.

AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR

IMPORTANCE OF DROPLET SIZE

The most effective way to reduce drift potential is to apply large droplets (>150 - 200 microns). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage.

Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly or under unfavorable environmental conditions.

See Wind, Temperature and Humidity, and Temperature Inversions sections of this label.

CONTROLLING DROPLET SIZE -

Volume - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

Pressure - Use the lower spray pressures recommended for nozzle. Higher pressure reduces droplet size and does not improve canopy penetration.

WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.

Nozzle Type - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles.

CONTROLLING DROPLET SIZE - AIRCRAFT

Number of Nozzles – Use the minimum number of nozzles with the highest flow rate that provide uniform coverage.

Nozzle Orientation - Orienting nozzles so that the spray is emitted backwards, parallel to the airstream will produce larger droplets than other orientations.

Nozzle Type - Solid stream nozzles (such as disc and core with swirl plate removed) oriented straight back produce larger droplets than other nozzle types.

Boom Length - The boom length must not exceed 3/4 of the wing or rotor length – longer booms increase drift potential.

Application Height - Application more than 10 ft above the canopy increases the potential for spray drift.

BOOM HEIGHT

Setting the boom at the lowest labeled height (if specified), which provides uniform coverage reduces the exposure of droplets to evaporation and wind. For ground equipment, keep the boom level with the crop and have minimal bounce.

WIND

Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given wind speed. AVOID GUSTY OR WINDLESS CONDITIONS.

Note: Local terrain can influence wind patterns. Every applicator must be familiar with local wind patterns and how they affect spray drift.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.

APPLICATION INSTRUCTIONS

Timing

Make applications postemergence to actively growing weeds according to the rate table recommendations. Do not make application to plants stressed by insufficient moisture or hot or cold temperature. Applications to plants exceeding recommended growth stages could result in unsatisfactory control. Early application is essential for broadleaf weed control with the exception of yellow nutsedge and Canada thistle.

When irrigation is used to supplement limited rainfall in arid regions, apply ARY 0411-0485 TANK MIX HERBICIDE as soon as possible, after irrigation (within 7 days). A second application of this product will generally provide more effective control of perennial grass weed than a single application in arid regions. Apply a second application to actively growing grass 2 to 3 weeks after emergence of new growth.

Cultivation of treated weeds 7 days prior to or within 7 days after application of this product could reduce weed control.

ARY 0411-0485 TANK MIX HERBICIDE USE RATE/TIMING/RESTRICTIONS/LIMITATIONS

CROPS	MINIMUM TIME FROM APPLICATION TO HARVEST (PHI)	APPLICATION TIMING	SPECIAL USE INSTRUCTIONS
Beans, Dry Shelled including adzuki, navy, pinto, pink, great northern, kidney, red, white, cranberry, black turtle, dry lima, and dry snap bean	30 days	Apply after the first trifoliate leaf has fully expanded. Do not apply to beans that are in bloom.	Yellow and bronzing or speckling of leaves may occur under certain conditions; this temporary injury is generally outgrown without delays in maturity or reducing yields. Using additional adjuvant may increase injury. Maintain a 14 day interval for repeat applications. Do not apply more than 102 fl oz/A ARY 0411-0485 TANK MIX HERBICIDE per season.
Pea, Dry Shelled	30 days	Apply after 3 pairs of leaves (or 4 nodes) are present. Do not apply to peas that are in bloom.	Yellow and bronzing or speckling of leaves may occur under certain conditions; this temporary injury is generally outgrown without delays in maturity or reducing yields. Using additional adjuvant may increase injury. Do not apply more than one (1) application per acre per season (40 fl oz/A). Applications of this product to peas during the bloom period could result in severe crop injury, including loss of yield and delayed maturity.
Soybean	60 days	Soybeans are tolerant at all growth stages apply 60 days prior to harvest. Do not apply to soybeans that are in bloom.	Slight leaf speckling or leaf bronzing may occur under certain conditions. Soybeans outgrow this injury within 10 days after treatment. Do not graze treated fields or feed treated forage or hay to livestock. Maintain a 14 day interval for repeat applications. Do not apply more than 102 fl oz/A ARY 0411-0485 TANK MIX HERBICIDE per season.
Mint Including Peppermint and Spearmint	21 days	Mint is tolerant at all growth stages – apply 21 days prior to harvest.	Slight leaf speckling or leaf bronzing may occur under certain conditions. Mint outgrows this injury within 10 days after treatment. For specific weed control application rates can be increased to 30 fl oz/A + 50 fl oz/A in a single application. Do not apply more than 102 fl oz/A ARY 0411-0485 TANK MIX HERBICIDE per season. Maintain a 14 day interval for repeat applications.

USE DIRECTIONS FOR GRASSES AND BROADLEAF WEEDS

Annual Grass Weeds	Maximum Height (in)	Broadleaf Weeds	Maximum Height (in)
Barnyardgrass	6	Anoda, spurred	3
Broadleaf signalgrass	6	Beggarticks	6
Brome (California, downy, ripgut)	6	Buckwheat, Wild	3
Cheat	6	Cocklebur	6
Crabgrass (hairy, large, smooth, southern)	6	Croton, tropic	6
Crowfootgrass	6	Dayflower	4
Darnel, Persian	6	Eclipta	2
Fall panicum	6	Jimsonweed	6
Field sandbur	6	Ladysthumb	6
Foxtail (giant, green, yellow)	6	Lambsquarters, Common	1.5
Goosegrass	6	Marshelder	2
Itchgrass	6	Mayweed/dogfennel	2 .
Junglerice	6	Morning glory	4
Lovegrass (stinkgrass)	6	Mustard, wild	4
Red Rice	3	Poinsettia, wild	4
Ryegrass, Italian	6	Purslane, common	1
Seedling johnsongrass	10	Radish, volunteer	4
Shattercane	12	Sheperd's Purse	4
Southwestern cupgrass	6	Sida, prickly/teaweed	3
Sprangletop	6	Smartweed, Pennsylvania	6
Texas Panicum	6	Starbur, bristly	2
Volunteer Cereal (barley, oat, rye, wheat)	6	Sugarbeet, volunteer	2
Volunteer Corn	16	Sunflower, wild	5
Volunteer grain sorghum	10	Velvetleaf	2
Wild oats	6	Venice mallow	2
Wild proso millet	6	Volunteer Canola	4
Witchgrass	6		
Woolly cupgrass	6		

Perennial Grass Weeds*	Maximum Height (in)	Perennial Broadleaf Weeds or Sedges**	Maximum Height (in)
Bermudagrass	4	Bindweed (Field, Hedge)	10
Fescue, Tall	6	Canada Thistle	12 (bud stage)
Foxtail Barley	4	Yellow Nutsedge	8
Orchardgrass	6		
Quackgrass	8		
Rhizome Johnsongrass	. 18		
Wirestem Muhly	6		
Perennial Bluegrass (Roughstalk or Kentucky)	3		
Bentgrass	3		

* Top growth suppression of perennial grasses can be expected. For control of perennial grasses a sequential application of a grass herbicide is required. Do not exceed 16 fl oz/A of Component A on Dry Peas.

Perennial Control in Established Mint: Due in part to lack of tillage, perennial weeds are more difficult to control in a perennial crop, such as established mint. The best way to control perennial weeds is to do so in the year of stand establishment before rhizomes and stolons become large and difficult to kill. A program of repeated applications is usually necessary for best results. Use sequential program of ARY 0411-0485 TANK MIX HERBICIDE followed by applications of a graminicide, such as SHADOW HERBICIDE or SHADOW ULTRA HERBICIDE or a broadleaf herbicide such as BASAGRAN HERBICIDE. BASAGRAN HERBICIDE contains the same active ingredient as Component B of this product. Assure that the seasonal total of BASAGRAN HERBICIDE and Component B do not exceed 64 fl oz/A (2.0 lb/A ai).

ADJUVANT OR CROP OIL CONCENTRATE RECOMMENDATIONS

Component A (Herbicide A) contains an adjuvant system for activation of ARY 0411-0485 TANK MIX HERBICIDE and it's tank mix partners. Additional crop oil concentrate or non-ionic surfactant is generally not necessary and increased crop injury can be expected if used.

ARY 0411-0485 TANK MIX HERBICIDE has shown improved grass control when mixed with nitrogen fertilizers used as adjuvants. Follow the use rates listed below when using nitrogen fertilizer as adjuvants.

Nitrogen fertilizers should be added to ARY 0411-0485 TANK MIX HERBICIDE for improved control of difficult grass species.

- Liquid fertilizer (10-34-0, 28% N or 32% N) at 1-to-2 qt/A
- AMS (spray grade ammonium sulfate) (at 1.0 to 4.0 lb/A or 8.5-17 lb/100 gallons of spray solution.

When an adjuvant is to be used with this product, Arysta LifeScience North America, LLC recommends the use of a Chemical Producers and Distributors Association certified adjuvant.

TANK MIXES

INFORMATION

The labels for each of the herbicides recommended for tank mixing with ARY 0411-0485 TANK MIX HERBICIDE are unique to the characteristics of those products and contain restrictions and limitations that may be more restrictive.

ALWAYS FOLLOW THE MOST RESTRICTIVE LABELING OF ANY PRODUCT USED IN A TANK MIX.

DIRECTIONS FOR TANK MIX APPLICATION ARY 0411-0485 TANK MIX HERBICIDE WITH BROADLEAF HERBICIDES FOR ADDITIONAL BROADLEAF WEED CONTROL

- Tank mix application can sometimes result in reduced grass control and possible increases in crop injury
 as compared to either product used alone. If regrowth occurs or an additional flush of new weeds emerge,
 apply a second application.
- Make application only to actively growing grass and broadleaf weeds at listed height or growth stage listed on each label.

^{**} Top growth suppression of perennial broadleaf weeds or sedges can be expected. For control of perennial broadleaf weeds or sedges a sequential application is required. Do not exceed a total of 4 pts/A of Component B or 2 lbs ai/A of bentazon.

- Make application when the first grass or broadleaf weed species in a mixed population reaches the listed height or growth stage for treatment.
- Make application under favorable soil moisture and humidity that exist a few days after rainfall or within seven (7) days after irrigation.

TANK MIXES WITH BROADLEAF HERBICIDES FOR ADDITIONAL WEED CONTROL

CROP	TANK MIX PRODUCT ^{1,2}	COMMENT
Dry Bean	Pursuit® Raptor®	Crop injury may result from these tank mixes – follow the label of the tank mix partner regarding specific use instructions.
Dry Peas	Raptor	Crop injury may result from this tank mix – follow the label of the tank mix partner regarding specific use instructions.
Soybean	Classic® Firstrate® glyphosate Raptor Pursuit Ultra Blazer®	Glyphosate tank mixes must be applied to Roundup Ready® Soybeans only.
Mint	Buctril® Sinbar® Stinger®	

Component A (Herbicide A) contains an adjuvant system that will activate the tank mix partner products. AMS or UAN can be added to these mixtures depending upon the tank mix partners label requirements.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Store product in original container only. Store in a cool, dry place. Do not store diluted spray. Do not contaminate water, other pesticides, fertilizer, food or feed in storage or cleaning of equipment. Open dumping is prohibited.

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

CONTAINER DISPOSAL:

Containers equal to or less than 5 gallons: Nonrefillable container.

Do not reuse or refill this container. Triple-rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Containers greater than 5 gallons: Nonrefillable container. Do not reuse or refill this container. Triple-rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ½ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Offer for recycling, if available, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

REFILLABLE CONTAINERS: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Follow the tank mix product label for specific instructions on rates, timing and adjuvants.

Warranty and Disclaimer Statement

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. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Arysta LifeScience North America, LLC ("Arysta"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. All such risks shall be assumed by the user or buyer. Arysta 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 described above, when used in accordance with the Directions for Use under normal conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ARYSTA IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ARYSTA, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ARYSTA'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

SHADOW™ - TM of Arysta LifeScience North America LLC
BASAGRAN® - Reg. TM of BASF Corp
BUCTRIL® - Reg. TM of Bayer Crop Sciences
CLASSIC® - Reg. TM of E.I. du Pont de Nemours and CO.
FIRSTRATE® - Reg. TM of Dow AgroSciences LLC
PURSUIT®, - Reg. TMs of BASF Corp.
RAPTOR® - Reg. TM of BASF Corp.
ROUNDUP READY®, - Reg. TMs of Monsanto Technology Company
LLC
SINBAR® - Reg TM of Tessenderlo Kerley, Inc.
STINGER® - Reg. TM of Dow AgroSciences LLC
ULTRA BLAZER® - Reg. Trademarks of United Phosphorus, Inc

ARY 0411-0485 Tank Mix Herbicide (PENDING-11/21/11; emailed 03/08/12)

ARY 0411-0485 Tank Mix Herbicide

For use on Beans and Peas (dry shelled), Mint (spearmint and peppermint), and Soybeans.

Component A (Herbicide A)

*(E)-2[1-[[(3-chloro-2-propenyl)oxy]limino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one H P T Contains the same active ingredient as SHADOW ULTRA HERBICIDE

Contains: 1.0 lb Clethodim per gallon

Read the entire label before use. KEEP OUT OF REACH OF CHILDREN CAUTION / PRECAUCION

APR 12 2012

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended for the posticide

	FIRST AID	
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 do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. 	
IF ON SKIN OR CLOTHING	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. 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 first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. 	

NOTE TO PHYSICIAN: Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid, which can cause pneumonitis. If ingested, probable mucosal damage may contraindicate the use of gastric lavage.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR 24- HOUR EMERGENY MEDICAL ASSISTANCE CALL: 1-866-303-6952 FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300

EPA REG. NO.: 66330-URE

AD

EPA EST. NO.: xxx-xx-xx
NET CONTENTS:

MANUFACTURED FOR: ARYSTA LIFESCIENCE NORTH AMERICA, LLC 15401 WESTON PARKWAY, SUITE 150 CARY, NC 27513

See booklet for additional precautionary statements and directions for use.

ARY 0411-0485 Tank Mix Herbicide is a combination product containing the active ingredients Clethodim and Bentazon. Component A (Herbicide A) must be used in combination with 1.67 parts Component B (Herbicide B).

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION. Harmful if swallowed or if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not apply where weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwater or rinsate.

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

Do not allow sprays to drift onto adjacent desirable plants.

The use of this product may pose a hazard to the federally designated endangered species of Solano Grass and Wild Rice. Use of this product is prohibited in the following areas where the species are known to exist:

Solano Grass: Solano County, California: the vernal lakes area bounded by the Union Pacific Railroad and Hastings Road to the north, Highway 113 to the east, Highway 12 to the south, and Travis Air Force Base to the west.

Wild Rice: Hays County, Texas

Important

Read the entire DIRECTIONS FOR USE and WARRANTY AND DISCLAIMER STATEMENT before using this product.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Store product in original container only. Store in a cool, dry place. Do not store diluted spray. Do not contaminate water, other pesticides, fertilizer, food or feed in storage or cleaning of equipment. Open dumping is prohibited.

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

CONTAINER DISPOSAL:

Containers equal to or less than 5 gallons: Nonrefillable container.

Do not reuse or refill this container. Triple-rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Containers greater than 5 gallons: Nonrefillable container. Do not reuse or refill this container. Triple-rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Offer for recycling, if available, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

REFILLABLE CONTAINERS: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

ARY 0411-0485 Tank Mix Herbicide Component A (PENDING-11/21/11; emailed 03/15/12)

APR 1 2 2012

ARY 0411-0485 Tank Mix Herbicide

For use on Beans and Peas (dry shelled), Mint (spearmint and peppermint), and Soybeans.

Component B (Herbicide B)

GROUP HERBICIDE **ACTIVE INGREDIENT:** *Sodium salt of bentazon OTHER INGREDIENTS: .. 100.0%

** (3-(1-methylethyl)-1*H*-2,1,3-benzothiadiazin-4 (3*H*)-one 2,2-dioxide) Contains the same active ingredient as BASAGRAN HERBICIDE Contains: 4.0 lb Bentazon per gallon

> Read the entire label before use. KEEP OUT OF REACH OF CHILDREN CAUTION / PRECAUCION

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended for the pesticide Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en estable dunder (If you do not understand the label, find someone to explain it to you in detail EPA Reg. No. 06 230-412

FIRST AID Call a poison control center or doctor immediately for treatment advice. IF SWALLOWED Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Take off contaminated clothing. IF ON SKIN OR Rinse skin immediately with plenty of water for 15-20 minutes. CLOTHING Call a poison control center or doctor for further treatment advice. Hold eye open and rinse slowly and gently with water for 15-20 minutes. IF IN EYES Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid, which can cause pneumonitis. If ingested, probable mucosal damage may contraindicate the use of gastric lavage.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR 24- HOUR EMERGENY MEDICAL ASSISTANCE CALL: 1-866-303-6952 FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300

EPA REG. NO.: 66330-URE

EPA EST. NO.: xxx-xx-xx **NET CONTENTS:**

MANUFACTURED FOR: ARYSTA LIFESCIENCE NORTH AMERICA, LLC 15401 WESTON PARKWAY, SUITE 150 **CARY, NC 27513**

See booklet for additional precautionary statements and directions for use.

ARY 0411-0485 Tank Mix Herbicide is a combination product containing the active ingredients Clethodim and Bentazon. Component A (Herbicide A) must be used in combination with 1.67 parts Component B (Herbicide B).

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

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

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The use of this product may pose a hazard to the federally designated endangered species of Solano Grass and Wild Rice. Use of this product is prohibited in the following areas where the species are known to exist:

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Wild Rice: Hays County, Texas

Important

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Containers greater than 5 gallons: Nonrefillable container. Do not reuse or refill this container. Triple-rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ½ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

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ARY 0411-0485 Tank Mix Herbicide Component B (PENDING-11/21/11; emailed 03/15/12)