

Fluxapyroxad	Group	7	Fungicide
Pyraclostrobin	Group	11	Fungicide

Republic™

Fungicide

TENKÖZ

For disease control and plant health in the following crops: alfalfa, barley, Brassica leafy vegetables, citrus fruit, corn (all types), cotton, dried shelled peas and beans, edible-podded legume vegetables, fruiting vegetables (including tomato), grass grown for seed, oats, oilseed crops (flax seed, rapeseed, safflower, and sunflower), peanut, rye, sorghum and millet, soybean, succulent shelled peas and beans, sugar beet, sugarcane, tuberous and corm vegetables (potato), wheat and triticale

Active Ingredients:

fluxapyroxad*: 1 <i>H</i> -Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-	14.33%
pyraclostrobin**: carbamic acid, [2-[[[1-(4-chlorophenyl)-1 <i>H</i> -pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester)	28.58%

Other Ingredients:	57.09%
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Total:	100.00%
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* Equivalent to 1.39 pounds of fluxapyroxad per gallon

** Equivalent to 2.78 pounds of pyraclostrobin per gallon

EPA Reg. No. 7969-311-55467

EPA Est. No. 51036-GA-001

**KEEP OUT OF REACH OF CHILDREN
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.)

See full label for complete **First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty**, and state-specific crop and/or use site restrictions.

In case of an emergency endangering life or property involving this product, call day or night 1-800-424-9300.

Shake Well Before Using

Net Contents: 2.5 Gallons

Distributed by:

Tenköz, Inc.
1725 Windward Concourse, Suite 410
Alpharetta, GA 30005

81173695 NVA 2020-04-372-0143

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 to an unconscious person.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact Chemtrec for emergency medical treatment information: 1-800-424-9300.

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Harmful if swallowed. Avoid contact with skin or clothing.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls Statement

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 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

DO NOT apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** apply where runoff is likely to occur. **DO NOT** contaminate water when disposing of equipment washwaters or rinsate. Observe caution when spraying in the vicinity of aquatic areas such as lakes, reservoirs, rivers, permanent streams, marshes or natural ponds and estuaries.

This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow groundwater.

Surface Water Advisory

This product is classified as having high potential for reaching aquatic sediment via runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of this active ingredient or its degradates from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecast to occur within 48 hours. Sound erosion control practices will reduce this product's potential to reach aquatic sediment via runoff.

Groundwater Advisory

This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

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.

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), notification to workers, 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 **12 hours**.

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 (made of any waterproof material)
- Shoes plus socks

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store in original containers only. Keep container closed when not in use. **DO NOT** store near food or feed.

Pesticide Disposal

Wastes resulting from using this product may be disposed of on-site or at an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representatives at the nearest EPA Regional Office for guidance.

Container Handling

Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Triple rinse containers small enough to shake (capacity ≤ 5 gallons) 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 1/4 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.

Triple rinse containers too large to shake

(capacity > 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 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.

Pressure rinse as follows: Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refillable Container. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

Triple rinse as follows: 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% 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 rinsing procedure two more times.

(continued)

STORAGE AND DISPOSAL *(continued)*

Container Handling *(continued)*

When this container is empty, replace the cap and seal all openings that have been opened during use; return the container to the point of purchase or to a designated location. This container must only be refilled with a pesticide product. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn-out threads and closure devices. Check for leaks after refilling and before transport. **DO NOT** transport if this container is damaged or leaking. If the container is damaged, or leaking, or obsolete and not returned to the point of purchase or to a designated location, triple rinse emptied container and offer for recycling, if available, or dispose of container in compliance with state and local regulations.

In Case of Emergency

In case of large-scale spillage regarding this product, call:

- CHEMTREC 1-800-424-9300

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)

Steps to be taken in case material is released or spilled:

- In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to label.
- Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal.
- Remove contaminated clothing and wash affected skin areas with soap and water.
- Wash clothing before reuse.
- Keep the spill out of all sewers and open bodies of water.

Product Information

Read the entire **Directions For Use** and **Conditions of Sale and Warranty** before using this product.

This package contains **Republic™ fungicide**, a suspension concentrate (SC) containing the active ingredients flupyroxad and pyraclostrobin. The active ingredients in **Republic** belong to two classes of fungicides, the strobilurins or Quinone Outside Inhibitors (QOI) and the succinate-dehydrogenase (SDH) inhibitor classes. To maximize disease control, apply **Republic** in a regularly scheduled protective spray program and use in a rotation program with other fungicides.

Preventive applications optimize disease control, resulting in improved plant health. Overall increased plant health may result in an improvement in crop growth and crop quality as well as increased crop yields.

Because of its high specific activity, **Republic** has good residual activity against target fungi.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfc.org/metals.htm>.

Republic is not for use in greenhouse or transplant production.

Modes of Action

Fluxapyroxad and pyraclostrobin, the active ingredients of **Republic™ fungicide**, belong to the groups of respiration inhibitors classified by the U.S. EPA and Canada PMRA as target site of action **Group 7** and **Group 11** fungicides, respectively.

Resistance Management

Republic contains fluxapyroxad and pyraclostrobin, a premix of a **Group 7** and a **Group 11** fungicide, and is effective against pathogens resistant to fungicides with modes of action different from those of target site **Group 7** and **Group 11**, such as dicarboximides, sterol inhibitors, benzimidazoles, or phenylamides. Fungal isolates resistant to **Group 7** or **Group 11** fungicides may eventually dominate the fungal population if **Group 7** or **Group 11** fungicides are used predominantly and repeatedly in the same field in successive years as the primary method of control for the targeted pathogen species, especially if resistance to either **Group 7** or **Group 11** fungicides is already present in the pathogen population. This may result in reduction of disease control by **Republic** or other **Group 7** or **Group 11** fungicides. To maintain the performance of **Republic** in the field, **DO NOT** exceed the specified number of sequential applications of **Republic** or the total number of applications of **Republic** per year stated in **Table 1. Restrictions and Limitations Overview** and **Table 2. Crop-specific Directions: Foliar Applications**. Adhere to the label instructions regarding the sequential use of **Republic** or other target site of action **Group 7** and **Group 11** fungicides that have a similar site of action on the same pathogens.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of **Republic** or other **Group 7** or **Group 11** fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treatment area for lack of biological efficacy that might indicate possible resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or **Integrated Pest Management (IPM)** recommendations for specific crops and pathogens.
- For further information or to report suspected resistance consult your local Tenkoz representative, extension specialist, or certified crop advisor.

Application Instructions

Apply specified rates of **Republic** as instructed in **Table 2. Crop-specific Directions: Foliar Applications**. **Republic** can be applied by ground and aerial application. For best results, thorough coverage of plant materials is required. **Republic** can also be applied through sprinkler irrigation equipment, except for use on sugarcane. Application using drip irrigation equipment is permitted in select crops as instructed in **Table 2. Crop-specific Directions: Foliar Applications**. Check equipment frequently for calibration.

Use Rate Conversion Table

fl ozs/A	lb fluxapyroxad/A	lb pyraclostrobin/A
2	0.022	0.043
4	0.043	0.087
5	0.054	0.109
5.5	0.060	0.119
6	0.065	0.130
6.9	0.075	0.150
7.4	0.080	0.161
8	0.087	0.174
8.2	0.089	0.178
8.8	0.096	0.191
9	0.098	0.195
9.2	0.100	0.200
11	0.119	0.239
13.8	0.150	0.300
16	0.174	0.348
16.5	0.179	0.358
18	0.195	0.391
20.7	0.225	0.450
22.2	0.241	0.482
24	0.261	0.521
24.6	0.267	0.534
26.4	0.287	0.573
27.6	0.300	0.599
44	0.478	0.956

Disease-pressure Conditions

- **Low-level** - Minimum rates can be applied.
- **Severe or threatening** - Apply the maximum application rates and/or shorter interval(s).

Cleaning Spray Equipment

Spraying equipment must be cleaned thoroughly before and after applying this product, particularly if a product with potential to injure crops was used prior to **Republic**.

For containers 5 gallons or less, shake well prior to use. For containers greater than 5 gallons, recirculate prior to use. Consult Tenkoz Representatives for additional information regarding agitation and recirculation.

Ground Application

Apply **Republic** in sufficient water to ensure thorough coverage of foliage, bloom, and fruit. Thorough coverage is required for optimum disease control. Complete coverage of the stem, all the way down to the soil, is required for suppression of soilborne diseases of the stem.

Use fine-to-medium/coarse spray droplet size spectrum for ground application to cotton.

In-furrow and Soil-directed Banded Spray Information

In-furrow and soil-directed banded spray applications are not registered for use in California, except for in-furrow use on potato.

Republic™ fungicide provides soilborne and seedling disease control if applied at planting or early in the season. Refer to **Table 3. In-furrow and Soil-directed Banded Sprays** for a list of diseases controlled or suppressed. Specific applications for soilborne diseases include in-furrow applications and soil-directed banded applications applied over the row shortly after plant emergence or during herbicide applications or cultivations. Seedling diseases are generally controlled by in-furrow applications while soil-directed banded applications are more effective against soilborne disease that develops later in the season. Consult your local expert for guidance regarding application type. Under cool, wet conditions, crop injury from in-furrow or soil-directed banded applications can occur.

In-furrow Applications

Use 0.1 to 1.6 fl ozs of **Republic** per 1000 row feet; rates vary by crop. Rate per 1000 row feet is dependent on the crop row spacing. Refer to **Table 4. In-furrow and Soil-directed Banded Rate Calculation Table (Except Sugarcane)**** and **Table 5. In-furrow and Soil-directed Banded Rate Calculation Table for Sugarcane Only** to determine the rate per acre. Apply at planting as an in-furrow application by directing the spray into the furrow before the seed is covered. Use a minimum volume application of 2.5 gallons of water per acre.

Soil-directed Banded Applications

Apply **Republic** prior to infection as a directed spray to the soil, using single or multiple nozzles adjusted to provide thorough coverage in a band width of 7 inches or less. Apply **Republic** at a rate of 0.1 to 1.6 fl ozs per 1000 row feet; rates vary by crop. Rate per 1000 row feet is dependent on the crop row spacing. Refer to **Table 4. In-furrow and Soil-directed Banded Rate Calculation Table (Except Sugarcane)**** and **Table 5. In-furrow and Soil-directed Banded Rate Calculation Table for Sugarcane Only** to determine the rate per acre. As an example, on 22-inch rows, the maximum **Republic** application rate is 0.3 fl oz per 1000 row feet. Use a minimum volume application of 2.5 gallons of water per acre.

Instructions for Directed or Banded Crop Sprays

The application rates shown in **Table 1. Restrictions and Limitations Overview** and **Table 2. Crop-specific Directions: Foliar Applications** on this label reflect the amount of product to be applied uniformly over an acre of ground on a broadcast basis. In some crops, **Republic** may be used as a directed or banded spray over the rows or plant beds with the alleys or row middles left unsprayed. For such uses, reduce the rate of **Republic** in proportion to the area actually sprayed. Make this adjustment to avoid applying the product at use rates higher than permitted on this label.

The following formula may be used to determine the broadcast equivalent rate for doing directed or banded sprays:

sprayed bed width + unsprayed row middles width = total row width

$$\frac{\text{sprayed bed width in inches}}{\text{total row width in inches}} \times \frac{\text{broadcast rate}}{\text{treated acre}} = \frac{\text{band rate}}{\text{field acre}}$$

Example: A directed spray application will be made to 45-inch plant beds that are separated by 15 inches of unsprayed row middles.

45 inches sprayed bed width + 15 inches unsprayed row middles width = 60 inches total row width

The calculation to determine the appropriate equivalent rate of product to use for this situation based on a label broadcast rate of 4 fluid ounces product/acre follows:

$$\frac{45 \text{ inches sprayed bed width}}{60 \text{ inches total row width}} \times \frac{4 \text{ fl ozs Republic}}{\text{treated acre}} = \frac{3 \text{ fl ozs Republic}}{\text{field acre}}$$

Aerial Application

For aerial application in New York State, DO NOT apply within 100 feet of aquatic habitats (such as, but not limited to lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fishponds).

For all crops listed in this label, aerial application can be made and thorough coverage is required to obtain optimum disease control. Avoid applications under conditions when uniform coverage cannot be obtained or when spray drift may occur.

Spray Volumes:

- **DO NOT** apply **Republic** in spray solutions that are less than 50% water by volume.
- For aerial applications to sugarcane, **DO NOT** use less than 5 gallons of spray solution per acre.
- For aerial applications to tree crops, **DO NOT** use less than 10 gallons of spray solution per acre.
- For all other crops, **DO NOT** use less than 2 gallons of spray solution per acre. Thorough coverage is required for optimum disease control.

Spray Volume and Tank Mix Precautions

The reduced spray volumes used in aerial applications may result in physical incompatibility, reduced disease control, or crop injury from **Republic** applications, particularly when tank mixed with other products. Therefore, before making aerial applications test the spray on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of application.

Additional Tank mixing precautions for corn applications: See **Adjuvant or Crop Oil Use Limitations on Corn**, in the **Additives and Tank Mixing Information** section.

Spray Drift Management

DO NOT spray when conditions favor drift beyond area intended for application. Conditions that may contribute to drift include thermal inversion, wind speed and direction, spray nozzle/pressure combinations, spray droplet size, temperature/humidity, etc. Contact your state extension agent for spray drift prevention guidelines in your area. All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers. Avoiding spray drift at the application site is the responsibility of the applicator.

Aerial Application Methods and Equipment

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

DO NOT apply under circumstances where possible drift to unprotected persons, to food, forage, or other plantings that might be damaged, or crops thereof rendered unfit for sale, use or consumption can occur.

DO NOT release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety or special weather conditions.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops.

1. The distance of the outermost nozzles on the boom must not exceed $\frac{3}{4}$ of the length of the fixed wingspan or rotor blade diameter.
2. Nozzles must always point backward parallel with the air stream and never be pointed downward more than 45 degrees.

Where states have more stringent regulations, they must be observed.

Information on Droplet Size

The most effective way to reduce drift potential is to apply large droplets. Use the largest droplet size consistent with acceptable efficacy. 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**).

Use medium to coarse spray droplet size spectrum for aerial application to cotton.

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** - **DO NOT** exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Number of Nozzles** - Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Orientation** - Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is recommended practice unless inconsistent with product efficacy. Significant deflection from the horizontal will reduce droplet size and increase drift potential.
- **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. Solid-stream nozzles oriented straight back produce the largest droplets and the lowest drift.

Wind

DO NOT apply at wind speeds greater than 15 mph (10 mph for aerial applications to cotton). Drift potential is lowest when wind speed does not exceed 10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Avoid applications below 2 mph due to variable wind direction and high inversion potential. Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity

Low humidity and high temperatures increase the evaporation of spray droplets and therefore, the likelihood of increased spray drift. Avoid spraying during conditions of low humidity and/or high temperatures. When making applications in low relative humidity, set up equipment to produce larger droplets in order to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature Inversions

DO NOT apply when a temperature inversion exists. If inversion conditions are suspected, consult with local weather services before making an application. Temperature inversions restrict vertical air mixing, which causes small, suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light, variable winds common during inversions.

Temperature inversions are characterized by increasing temperatures 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.

Sensitive Areas

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. bodies of water or non-target crops) is minimal and when wind is blowing away from the sensitive areas.

Irrigation Systems

Clean chemical tank and injector system thoroughly. Flush system with clean water.

Use Precautions for Sprinkler Irrigation and Drip Irrigation Applications

- **DO NOT** apply by sprinkler irrigation to sugarcane. For all other crops, this product can be applied through sprinkler irrigation systems including center pivot, lateral move, end tow, side [wheel] roll, traveler, big gun, solid set, or hand move irrigation systems equipment. Application using drip irrigation is permitted in select crops as instructed in **Table 2**. **Crop-specific Directions: Foliar Applications. DO NOT** apply this product through any other type of irrigation system.
- Add **Republic™ fungicide** to the pesticide supply tank containing sufficient water to maintain a continuous flow by the injection equipment. In continuous moving systems, inject this product-water mixture continuously, applying the labeled rate per acre for that crop. **DO NOT** exceed 1/2 inch (13,577 gallons) of water per acre. In stationary or noncontinuous moving systems, inject the product-water mixture in the last 15 to 30 minutes of each set allowing sufficient time for all of the required pesticide to be applied by all the sprinkler heads and applying the labeled rate per acre for that crop. **DO NOT** apply when wind speed favors drift beyond the area intended for treatment. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water. Thorough coverage of foliage is required for good control. Maintain good agitation during the entire application period.
- Contact a state extension service specialist, equipment manufacturers or other experts for calibration questions.

- 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.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 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.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 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.
- 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.
- Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
- **DO NOT** connect an irrigation system used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.
- **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

Specific Instructions for Public Water Systems

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. 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.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4. The pesticide injection pipeline must 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.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, 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.

Additives and Tank Mixing Information

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.

Republic™ fungicide can be tank mixed with recommended fungicides, insecticides, herbicides, liquid fertilizers, biological control products, adjuvants, and additives as specified in **Table 2. Crop-specific**

Directions: Foliar Applications. See fruiting vegetables group in **Table 2. Crop-specific Directions: Foliar Applications for** exceptions.

Under some conditions, the use of additives or adjuvants may improve the performance of **Republic**. However, all varieties and cultivars have not been tested with possible tank mix combinations. Local conditions can also influence crop tolerance and may not match those under which Tenkoz has conducted testing. Physical incompatibility, reduced disease control, or crop injury may result from mixing **Republic** with other products. Therefore, before using any tank mix (fungicides, insecticides, herbicides, liquid fertilizers, biological control products, adjuvants, and additives), test the combination on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of application.

When an adjuvant is to be used with this product, Tenkoz recommends the use of a Chemical Producers and Distributors Association certified adjuvant.

Consult a Tenkoz representative or local agricultural authorities for more information concerning additives.

If tank mixtures are used, adhere to restrictions due to rates, label instructions and precautions on all labels.

Adjuvant or Crop Oil Use Limitations on Corn

Adjuvant crop damage can occur when an adjuvant or crop oil is used after the V8 stage and before the VT stage (the VT stage is defined as when the tassel's last branch is completely visible outside the whorl). If an adjuvant or crop oil is used after the V8 stage and before the VT stage, the grower and user are responsible for contacting the adjuvant source (adjuvant distributor, retailer, or manufacturer) for advice and confirmation that the adjuvant has been tested and proven to be safe for application from V8 to VT corn stage. Refer to adjuvant and/or crop oil labels for specific use directions and restrictions. Always follow the most restrictive label.

Another fungicide or an insecticide may be included in the tank mix if needed and labeled for use on corn. Refer to the tank mix pesticide product labels for specific use directions and restrictions. Always follow the most restrictive label.

Compatibility Test for Tank Mix Components

Add components in the following sequence using 2 teaspoons for each pound or 1 teaspoon for each pint of label rate per acre:

1. **Water** - For 100 gallons per acre spray volume, use 16 cups (1 gallon) of water. For other spray volumes, adjust rates accordingly. Use only water from the intended source at the source temperature.
2. **Water-dispersible products** (dry flowables, wettable powders, suspension concentrates, or suspoemulsions) - Cap the jar and invert 10 cycles.
3. **Water-soluble products** - Cap the jar and invert 10 cycles.

4. **Emulsifiable concentrates** (oil concentrate or methylated seed oil when applicable) - Cap the jar and invert 10 cycles.
5. **Water-soluble additives** - Cap the jar and invert 10 cycles.
6. Let the solution stand for 15 minutes.
7. **Evaluate** the solution for uniformity and stability. The spray solution should not have free oil on the surface, nor fine particles that precipitate to the bottom, nor thick (clabbered) texture. **DO NOT** use any spray solution that could clog spray nozzles.

Mixing Order

1. **Water** - Begin by filling a thoroughly clean sprayer tank 3/4 full of clean water. Make sure that each component is thoroughly mixed and suspended before adding tank mix partners. Maintain constant agitation during application.
2. **Agitation** - Maintain constant agitation throughout mixing and application.
3. **Inductor** - If an inductor is used, rinse it thoroughly after each component has been added.
4. **Products in PVA bags** - Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
5. **Water-dispersible products** (such as dry flowables, wettable powders, suspension concentrates including **Republic™ fungicide**, or suspo-emulsions) - **For containers 5 gallons or less, shake well prior to use. For containers greater than 5 gallons, recirculate prior to use.** Consult Tenkoz Representatives for additional information regarding agitation and recirculation.
6. **Water-soluble products**
7. **Emulsifiable concentrates** (such as oil concentrates when applicable)
8. **Water-soluble additives** (such as ammonium sulfate [AMS] or urea ammonium nitrate [UAN] when applicable)
9. **Remaining quantity of water**

Restrictions and Limitations

- **DO NOT** exceed the maximum product rate (fl ozs/A) per year, the maximum rate per application, or the total number of applications of **Republic** per year as stated in **Table 1. Restrictions and Limitations Overview** and **Table 2. Crop-specific Directions: Foliar Applications**. Preharvest interval (PHI) restrictions are also included in these tables.
- **DO NOT** use **Republic** in greenhouse or transplant production.
- **For aerial application in New York State, DO NOT apply within 100 feet of aquatic habitats (such as, but not limited to lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fishponds).**
- **Republic** is not for sale, distribution, or use in Nassau and Suffolk counties in New York State.
- **Crop Rotation Restriction** - The following crops may be planted immediately following the last application: alfalfa, barley, berries and small fruits, Brassica leafy vegetables, bulb vegetables, corn (all types), cotton, cucumber vegetables, dried shelled peas and beans, edible-podded legume vegetables, fruiting vegetables (including tomato), grapes, leafy vegetables, mint (spearmint and peppermint), oat, oilseed crops (including flax seed, rapeseed, safflower, and sunflower), peanut, pome fruits, root vegetables, rye, sorghum and millet, soybean, stone fruits, strawberries, succulent shelled peas and beans, sugar beet, sugarcane, tree nuts, tuberous and corm vegetables (including potato), wheat and triticale, and any other crop labeled for direct application of this product.

For rice, **DO NOT** plant sooner than 14 days after the last application.

For all other crops, **DO NOT** plant sooner than 365 days after the last application.

Table 1. Restrictions and Limitations Overview*

Crop**	Maximum Product Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Number of Sequential Applications	Maximum Product Rate per Year (fl ozs/A)***	Minimum time from Application to Harvest (PHI) (days)
Alfalfa	6.9	3	2	20.7	14
Barley	8	2	2	16	21
Brassica leafy vegetables crop subgroups 5A and 5B	8.2	3	2	24.6	3
Citrus fruit	11	4	2	44	0
Corn	8	2	2	16	21 7 (sweet)
Cotton	8	3	2	24	30
Dried shelled peas and beans (except soybeans) crop group 6C	8	2	2	16	21
Edible-podded legume vegetables crop subgroup 6A	8	2	2	16	7
Fruiting vegetables	8	3	2	24	0
Grass grown for seed	6.9	2	2	13.8	14
Oats	8	2	2	16	21
Oilseed crops	8	2	2	16	21
Peanut	8	3	2	24	14
Rye	8	2	2	16	21
Sorghum and millet	8	1	1	8	21
Soybean	8	2	2	16	21
Succulent shelled peas and beans	8	2	2	16	7
Sugar beet	8	3	2	24	7
Sugarcane	9	3	2	18	14
Tuberous and corm vegetables (potato)	8	3	2	24	7
Wheat and triticale	8	2	2	16	21

* See **Table 2. Crop-specific Directions: Foliar Applications** for additional directions.

** For a complete list of crops, see **Table 2. Crop-specific Directions: Foliar Applications**.

*** The maximum product rate per year includes the combination of in-furrow, soil-directed and foliar uses.

Table 2. Crop-specific Directions: Foliar Applications

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Alfalfa	Anthracnose <i>(Colletotrichum trifolii)</i> Common leaf spot <i>(Pseudopeziza medicaginis)</i> Downy mildew <i>(Peronospora trifoliorum)</i> Leaf spot <i>(Leptosphaerulina briosiani)</i> Powdery mildew <i>(Erysiphe spp.)</i> Rhizoctonia blight/black patch <i>(Rhizoctonia spp.)</i> Rust <i>(Phakopsora spp., Puccinia spp., Uromyces spp.)</i> Spring black stem and leaf spot <i>(Phoma medicaginis)</i> Stagonospora leaf spot <i>(Stagonospora melloti)</i> Stemphyllium leaf spot <i>(Stemphyllium spp.)</i> Summer black stem and leaf spot <i>(Cercospora medicaginis)</i> Yellow leaf blotch <i>(Leptotrichia medicaginis)</i>	4 to 6.9	3	20.7	14

Application Directions. For optimal disease control, begin applications of **Republic™ fungicide** prior to onset of disease development and continue on a 14 to 21 day interval. Use higher rate and shorter interval when disease pressure is high. The minimum retreatment interval is 14 days.

DO NOT apply within 14 days of grazing or harvest for forage and hay.

DO NOT use on rangeland.

DO NOT apply more than 20.7 fl ozs of **Republic** per acre per year (0.225 lb ai/year fluxapyroxad and 0.450 lb ai/year pyraclostrobin).

DO NOT make more than two (2) **Republic** applications per cutting or three (3) **Republic** applications per year.

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Barley	Black point (Kernel blight or Head mold) (<i>Cochliobolus sativus</i> , <i>Alternaria</i> spp.) Leaf rust (<i>Puccinia</i> spp.) Net blotch (<i>Pyrenophora teres</i>) Powdery mildew (<i>Blumeria graminis</i> f. sp. <i>hordei</i>) Scald (<i>Rhynchosporium secalis</i>) Septoria leaf and glume blotch (<i>Septoria</i> spp., <i>Stagonospora</i> spp.) Spot blotch (<i>Cochliobolus sativus</i>) Stem rust (<i>Puccinia graminis</i> f. sp. <i>tritici</i>) Stripe rust (<i>Puccinia striiformis</i>) Tan spot (Yellow leaf spot) (<i>Pyrenophora</i> spp.)	4 to 8*	2	16	Apply no later than 50% head emergence (Feekes 10.3, Zadok's 55) but no less than 21 days before harvest
<p>Application Directions. For optimal disease control, begin foliar applications of Republic™ fungicide prior to disease development. To maximize yields in cereals, it is important to protect the flag leaf. Apply Republic immediately after flag leaf emergence for optimum results.</p> <p>Republic does not control Fusarium head blight (head scab) or prevent the reductions in grain quality that can result from this disease. When head blight is a concern, growers should manage this disease with fungicides that are labeled for and effective in managing this disease, and with cultural practices like crop rotation and plowing to reduce crop residues that serve as an inoculum source.</p> <p>DO NOT harvest barley hay or feed green-chopped barley within 14 days of last application.</p> <p>DO NOT apply more than 16 fl ozs of Republic per acre per year (0.174 lb ai/year fluxapyroxad and 0.348 lb ai/year pyraclostrobin). DO NOT make more than two (2) sequential applications of Republic before alternating to a labeled non-Group 7 or non-Group 11 fungicide.</p> <p>* For early season control of net blotch, Septoria leaf and glume blotch, spot blotch, and tan spot when conditions favor disease development, apply 2 to 4 fl ozs per acre of Republic either in combination with a herbicide application or when conditions favor disease development. When the 2 to 4 fl ozs early season application rate is used, a second application of Republic may be required to protect the emerged flag leaf. Environmental conditions for disease or current disease pressure at the time of flag-leaf emergence should be used to determine the Republic rate for the second application. For high disease pressure, use the higher rate of Republic.</p>					

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
<p>Brassica leafy vegetables crop subgroups 5A and 5B</p> <p>Head and stem crop subgroup 5A</p> <p>Broccoli</p> <p>Broccoli, Chinese</p> <p>Brussels sprouts</p> <p>Cabbage</p> <p>Cabbage, Chinese</p> <p>Cabbage, Chinese mustard</p> <p>Cauliflower</p> <p>Cavalo broccolo</p> <p>Kohlrabi</p> <p>Leafy greens crop subgroup 5B</p> <p>Broccoli raab</p> <p>Chinese cabbage (bok choy)</p> <p>Collards</p> <p>Kale</p> <p>Mizuna</p> <p>Mustard greens</p> <p>Mustard spinach</p> <p>Rape greens</p>	<p>Alternaria leaf spot (<i>Alternaria</i> spp.)</p> <p>Anthracnose (<i>Colletotrichum</i> spp.)</p> <p>Black leg (<i>Phoma lingam</i>)</p> <p>Cercospora leaf spot (<i>Cercospora brassicicola</i>)</p> <p>Powdery mildew (<i>Erysiphe</i> spp.)</p> <p>Rhizoctonia blight (<i>Rhizoctonia solani</i>)</p> <p>Ring spot (<i>Mycosphaerella brassicicola</i>)</p> <p>White leaf spot (<i>Pseudocercospora capsellae</i>)</p> <p>White rust (<i>Albugo candida</i>)</p> <p>Suppression only</p> <p>Downy mildew (<i>Peronospora parasitica</i>)</p>	6 to 8.2	3	24.6	3
<p>Application Directions. For optimal disease control, begin foliar applications of Republic™ fungicide prior to disease development and continue on a 7 to 14 day interval. Use the shorter interval and/or the higher rate when disease pressure is high. The minimum retreatment interval is 7 days. DO NOT apply more than 24.6 fl ozs of Republic per acre per year (0.267 lb ai/year fluxapyroxad and 0.534 lb ai/year pyraclostrobin). DO NOT apply more than three (3) applications of Republic per year.</p> <p>DO NOT make more than two (2) sequential applications of Republic before alternating to a labeled non-Group 7 or non-Group 11 fungicide.</p>					

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Citrus fruit Calamondin Chironja Citron Citrus hybrids Grapefruit Kumquat Lemon Lime Mediterranean mandarin Orange, sour Orange, sweet Pummelo Satsuma mandarin Tangelo Tangerine (mandarin) Tangor	Alternaria brown spot (<i>Alternaria citri</i>) Anthracnose (<i>Colletotrichum acutatum</i> , <i>C. gloeosporioides</i>) Black spot (<i>Guignardia citricarpa</i>) Greasy spot (<i>Mycosphaerella citri</i>) Melanose (<i>Diaporthe citri</i>) Scab (<i>Elsinoe fawcettii</i>) Septoria spot (<i>Septoria citri</i>)	5 to 11	4	44	0
	Post bloom fruit drop (<i>Colletotrichum acutatum</i>)	9 to 11			

Application Directions. For optimal disease control, begin applications of **Republic™ fungicide** prior to disease development and continue on a 10 to 21 day interval. Use the higher rate and shorter interval when disease pressure is high. The minimum retreatment interval is 10 days.

For control of diseases other than greasy spot, integrate 1 to 2 applications of **Republic** early in the spray program.

For greasy spot control, integrate 1 to 2 applications of **Republic** into the fungicide program during the mid to late season.

No livestock feeding restrictions.

For aerial application to citrus orchards:

- **DO NOT** use less than 10 gallons per acre.
- When in the vicinity of permanent water bodies (lakes, reservoirs, rivers, permanent streams, marshes or ponds, and estuaries):
 - Use fine-to-medium or greater spray droplet size spectrum
 - Maintain a 15 foot buffer between the point of direct application and permanent water body

DO NOT apply more than 44 fl ozs of **Republic** per acre per year (0.478 lb ai/year flupyroxad and 0.956 lb ai/year pyraclostrobin). **DO NOT** apply more than four (4) applications of **Republic** per year.

DO NOT make more than two (2) sequential applications of **Republic** before alternating to a labeled **non-Group 7** or **non-Group 11** fungicide. For use on citrus fruit, the maximum product use rate is 44 fl ozs/A/year (0.478 lb ai/year flupyroxad and 0.956 lb ai/year pyraclostrobin).

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Corn Field corn Popcorn Sweet corn Seed production corn	Anthracnose <i>(Colletotrichum graminicola)</i> Eyespot <i>(Kabatiella zeae)</i> Gray leaf spot <i>(Cercospora zeae-maydis)</i> Northern corn leaf blight <i>(Exserohilum turcicum)</i> Northern corn leaf spot <i>(Cochliobolus carbonum)</i> Physoderma brown spot <i>(Physoderma maydis)</i> Rust, common <i>(Puccinia sorghi)</i> Rust, southern <i>(Puccinia polysora)</i> Southern corn leaf blight <i>(Bipolaris maydis)</i> Yellow leaf blight <i>(Phyllosticta maydis)</i>	4 to 8	2	16	21 (Sweet corn PHI: 7 days)

Application Directions. For optimal disease control, begin foliar applications of **Republic™ fungicide** prior to disease development and continue on a 7 to 14 day interval if conditions are conducive for disease development. The minimum retreatment interval is 7 days.

Republic may be used with adjuvants. See the **Additives and Tank Mixing Information** and **Mixing Order** sections for more details.

Adjuvant or Crop Oil Use Limitations on Corn. Adjuvant crop damage can occur when an adjuvant or crop oil is used after the V8 stage and before the VT stage (the VT stage is defined as when the tassel's last branch is completely visible outside the whorl). If an adjuvant or crop oil is used after the V8 stage and before the VT stage, the grower and user are responsible for contacting the adjuvant source (adjuvant distributor, retailer, or manufacturer) for advice and confirmation that the adjuvant has been tested and proven to be safe for application from V8 to VT corn stage. Refer to adjuvant and/or crop oil labels for specific use directions and restrictions. Always follow the most restrictive label.

Another fungicide or an insecticide may be included in the tank mix if needed and labeled for use on corn. Refer to the tank mix pesticide product labels for specific use directions and restrictions. Always follow the most restrictive label.

DO NOT harvest for forage within 7 days of last application.

DO NOT apply more than 16 fl ozs of **Republic** per acre per year (0.174 lb ai/year fluxapyroxad and 0.348 lb ai/year pyraclostrobin). **DO NOT** make more than two (2) sequential applications of **Republic** before alternating to a labeled **non-Group 7** or **non-Group 11** fungicide.

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year* (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Cotton***	Alternaria leaf spot, boll rot <i>(Alternaria spp.)</i> Anthracnose, boll rot <i>(Glomerella spp.)</i> Ascochyta blight, boll rot <i>(Ascochyta spp.)</i> Cercospora blight and leaf spot <i>(Cercospora spp.)</i> Diplodia boll rot <i>(Diplodia spp.)</i> Hard lock, boll rot <i>(Fusarium spp.)</i> Phoma blight, boll rot <i>(Phoma spp.)</i> Rust <i>(Puccinia spp., Phykopsora spp.)</i> Stemphylium leaf spot <i>(Stemphylium spp.)</i> Target spot and Corynespora leaf spot <i>(Corynespora cassicola)</i>	4 to 8	3**	24	30

Application Directions. For optimal disease control, begin foliar applications of **Republic™ fungicide** prior to disease development and continue on a 7 day interval. Use the higher rate when disease pressure is high. The minimum retreatment interval is 7 days.

No livestock grazing or feeding restrictions.

DO NOT apply more than 24 fl ozs of **Republic** per acre per year (0.261 lb ai/year fluxapyroxad and 0.521 lb ai/year pyraclostrobin).

DO NOT make more than two (2) sequential applications of **Republic** before alternating to a labeled **non-Group 7** or **non-Group 11** fungicide.

DO NOT make more than the maximum number of applications per year for applications made at the maximum product use rate per application. Additional applications per year are permitted when a lower product use rate per application is used, as long as the maximum product rate per year is not exceeded.

* The maximum product rate per year includes the combination of in-furrow, soil-directed and foliar uses.

** When spraying in the vicinity of aquatic areas such as lakes, reservoirs, rivers, permanent streams, marshes or natural ponds and estuaries, **DO NOT** exceed two (2) aerial applications per year.

*** Not registered for use in California.

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
<p>Dried shelled peas and beans (except soybeans) crop group 6C*</p> <p>Broad bean Chickpea Guar Lablab bean Lentil Pigeon pea</p> <p><i>Lupinus spp.</i> Grain lupin Sweet lupin White lupin</p> <p><i>Phaseolus spp.</i> Field bean Kidney bean Lima bean Navy bean Pink bean Pinto bean Tepary bean</p> <p><i>Pisum spp.</i> Field pea</p> <p><i>Vigna spp.</i> Adzuki bean Blackeyed pea Catjang Cowpea Crowder pea Moth bean Mung bean Rice bean Southern pea Urd bean</p>	<p>Anthracnose (<i>Colletotrichum spp.</i>)</p> <p>Alternaria leaf and pod spot (<i>Alternaria spp.</i>)</p> <p>Ascochyta blight (<i>Phoma exigua, Ascochyta spp.</i>)</p> <p>Asian soybean rust (<i>Phakopsora pachyrhizi</i>)</p> <p>Botrytis gray mold (<i>Botrytis cinerea</i>)</p> <p>Cercospora leaf spot (<i>Cercospora spp.</i>)</p> <p>Downy mildew (<i>Phytophthora nicotianae</i>)</p> <p>Mycosphaerella blight (<i>Mycosphaerella spp.</i>)</p> <p>Powdery mildew (<i>Erysiphe polygoni</i>)</p> <p>Rust (<i>Uromyces appendiculatus</i>)</p>	<p>4 to 8</p>	<p>2</p>	<p>16</p>	<p>21</p>
	<p>Suppression only</p> <p>White mold (<i>Sclerotinia sclerotiorum</i>)</p>	<p>6 to 8</p>			

Application Directions. For optimal disease control, begin foliar applications of **Republic™ fungicide** prior to disease development and continue on a 7 to 14 day interval if conditions are conducive for disease development. Use the higher rate and shorter interval when disease pressure is high. The minimum retreatment interval is 7 days.

Bean forage, bean hay, pea vines, and pea hay may be fed no sooner than 14 days after last application.

(continued)

Table 2. Crop-specific Directions: Foliar Applications *(continued)*

Dried shelled peas and beans (except soybeans) crop group 6C* *(continued)*

Use of Adjuvants and Other Products as Mixes with Republic™ fungicide.

The use of adjuvants or additives may improve the performance of **Republic** on dried shelled peas and beans. However, under certain conditions, mixtures of **Republic** with adjuvants, additives and/or other products may cause crop injury.

Except for chickpea, lentil and field pea; **DO NOT** use **Republic** with:

- Emulsifiable concentrate (EC) or solvent-based formulation products.
- Crop oil concentrate (COC), methylated seed oil (MSO), organosilicone (OS), MSO/OS blend adjuvants.

The addition of emulsifiable concentrate (EC) or solvent-based formulation products, crop oil concentrate (COC), methylated seed oil (MSO), organo-silicone (OS), or MSO/OS blend adjuvants may increase the potential for leaf burn.

The manufacturer has not tested all varieties and cultivars with all possible tank mix combinations and rates of additives or adjuvants. Local environmental conditions also influence crop tolerance and may not match those under which the manufacturer has conducted testing. Physical incompatibility, reduced disease control, crop injury, or incompatibility due to additives, adjuvants or other products used in combination with **Republic** may result from mixing **Republic** with other products. Refer also to the **Conditions of Sale and Warranty** section of this label.

To minimize the likelihood of crop injury, Tenkoz recommends testing **Republic** in combination with other products for crop safety on a small portion of the crop. However, environmental variability precludes direct and consistent projection of small area test results to future use.

Consult a Tenkoz representative for more information concerning additives or adjuvants.

DO NOT apply more than 16 fl ozs of **Republic** per acre per year (0.174 lb ai/year fluxapyroxad and 0.348 lb ai/year pyraclostrobin). **DO NOT** make more than two (2) sequential applications of **Republic** before alternating to a labeled **non-Group 7** or **non-Group 11** fungicide.

* Not registered for use in California.

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Edible-podded legume vegetables crop subgroup 6A* Jack bean Pigeon pea Soybean (immature seed) Sword bean <i>Phaseolus spp.</i> Runner bean Snap bean Wax bean <i>Pisum spp.</i> Dwarf pea Edible-podded pea Snow pea Sugar snap pea <i>Vigna spp.</i> Asparagus bean Chinese longbean Moth bean Yardlong bean	Anthracnose (<i>Colletotrichum spp.</i>) Alternaria leaf and pod spot (<i>Alternaria spp.</i>) Ascochyta blight (<i>Phoma exigua, Ascochyta spp.</i>) Asian soybean rust (<i>Phakopsora pachyrhizi</i>) Botrytis gray mold (<i>Botrytis cinerea</i>) Cercospora leaf spot (<i>Cercospora spp.</i>) Downy mildew (<i>Phytophthora nicotianae</i>) Mycosphaerella blight (<i>Mycosphaerella spp.</i>) Powdery mildew (<i>Erysiphe polygoni</i>) Rust (<i>Uromyces appendiculatus</i>)	4 to 8	2	16	7
	Suppression only White mold (<i>Sclerotinia sclerotiorum</i>)	6 to 8			

Application Directions. For optimal disease control, begin foliar applications of **Republic™ fungicide** prior to disease development and continue on a 7 to 14 day interval if conditions are conducive for disease development. Use the higher rate and shorter interval when disease pressure is high. The minimum retreatment interval is 7 days.

Bean forage, bean hay, pea vines, and pea hay may be fed no sooner than 14 days after last application.

Use of Adjuvants and Other Products as Mixes with Republic.

The use of adjuvants or additives may improve the performance of **Republic** on edible podded legumes. However, under certain conditions, mixtures of **Republic** with adjuvants, additives and/or other products may cause crop injury.

DO NOT use **Republic** with:

- Emulsifiable concentrate (EC) or solvent-based formulation products.
- Crop oil concentrate (COC), methylated seed oil (MSO), organosilicone (OS), MSO/OS blend adjuvants.

The manufacturer has not tested all varieties and cultivars with all possible tank mix combinations and rates of additives or adjuvants. Local environmental conditions also influence crop tolerance and may not match those under which the manufacturer has conducted testing. Physical incompatibility, reduced disease control, crop injury, or incompatibility due to additives, adjuvants or other products used in combination with **Republic** may result from mixing **Republic** with other products. Refer also to the **Conditions of Sale and Warranty** section of this label.

To minimize the likelihood of crop injury, Tenkoz recommends testing **Republic** in combination with other products for crop safety on a small portion of the crop. However, environmental variability precludes direct and consistent projection of small area test results to future use.

Consult a Tenkoz representative for more information concerning additives or adjuvants.

DO NOT apply more than 16 fl ozs of **Republic** per acre per year (0.174 lb ai/year fluxaproxad and 0.348 lb ai/year pyraclostrobin). **DO NOT** make more than two (2) sequential applications of **Republic** before alternating to a labeled **non-Group 7** or **non-Group 11** fungicide.

* Not registered for use in California.

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Fruiting vegetables Eggplant Pepper (all varieties) Tomato ¹	Anthracnose (<i>Colletotrichum coccodes</i>) Black mold (<i>Alternaria alternata</i>) Early blight (<i>Alternaria solani</i>) Septoria leaf spot (<i>Septoria lycopersici</i>) Target spot (<i>Corynespora cassiicola</i>)	4 to 8 or 4 to 8 fl ozs per 100 gallons of spray volume (dilute)*	3	24	0
	Powdery mildew (<i>Leveillula taurica</i>)	6 to 8			
	Suppression only Botrytis gray mold (<i>Botrytis cinerea</i>) Rhizoctonia stem rot** (<i>Rhizoctonia solani</i>) Sclerotinia stem rot, White mold (<i>Sclerotinia sclerotiorum</i>) Southern blight** (<i>Sclerotium rolfsii</i>)	4 to 8 or 4 to 8 fl ozs per 100 gallons of spray volume (dilute)*			
	Suppression only Late blight (<i>Phytophthora infestans</i>)	8			
	<p>Application Directions. For optimal disease control, begin foliar applications of Republic™ fungicide prior to disease development and continue on a 7 to 14 day interval if conditions are conducive for disease development. Use the higher rate and shorter interval when disease pressure is high. The minimum retreatment interval is 7 days.</p> <p>Applications using drip irrigation systems may provide disease suppression. The level and consistency of suppression from drip line applications varies with the soil type, level of inoculum, irrigation volumes, environment and other factors. See your local Tenkoz representative for details on drip irrigation use in your area.</p> <p>* For applications based on dilute volume, plants should be sprayed to runoff. Apply a minimum of 20 gallons of spray volume per acre, and increase the spray volume as the plants grow during the season. Spray volume should be proportional to the amount of plant tissue to be covered such that 100 gallons of spray per acre are used on mature plants.</p>				

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Fruiting vegetables (continued)

Use of Adjuvants and Other Products as Mixes with Republic™ fungicide.

Republic can be used with nonionic surfactants at their lowest label rate up to 0.125%. When **Republic** is mixed with buffering agents and foliar nutrients, the pH of the final spray solution must be greater than 5.5.

DO NOT mix **Republic** with the following products:

- Emulsifiable concentrate (EC) formulation or solvent-based formulation products.
- Crop oil concentrate (COC), methylated seed oil (MSO), organosilicone (OS) or MSO/OS blended adjuvant products.

[†] For **Republic** applications to **fresh market tomatoes** at less than 20 gallons spray volume per acre, **DO NOT** mix **Republic** with any other products, adjuvants, additives, nutrients or anything other than water.

The manufacturer has not tested all varieties and cultivars with all possible tank mix combinations and rates of additives or adjuvants. Local environmental conditions also influence crop tolerance and may not match those under which the manufacturer has conducted testing. Physical incompatibility, reduced disease control, crop injury, or incompatibility due to additives, adjuvants or other products used in combination with **Republic** may result from mixing **Republic** with other products. Refer also to the Conditions of Sale and Warranty section of this label.

To minimize the likelihood of crop injury, Tenkoz recommends testing **Republic** in combination with other products for crop safety on a small portion of the crop. However, environmental variability precludes direct and consistent projection of small area test results to future use.

Consult a Tenkoz representative for more information concerning additives or adjuvants.

DO NOT apply more than 24 fl ozs of **Republic** per acre per year (0.261 lb ai/year fluxapyroxad and 0.521 lb ai/year pyraclostrobin). **DO NOT** apply more than three (3) applications of **Republic** per year.

DO NOT make more than two (2) sequential applications of **Republic** before alternating to a labeled **non-Group 7** or **non-Group 11** fungicide.

** Not registered for use in California.

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Grass grown for seed	Powdery mildew (<i>Erysiphe graminis</i>) Rust (<i>Puccinia recondita</i> , <i>P. graminis</i>)	4 to 6.9	2	13.8	14

Application Directions. For optimal disease control, begin applications of **Republic™ fungicide** prior to disease development and continue on a 14 to 21 day interval. Use the higher rate and shorter interval when disease pressure is high. The minimum retreatment interval is 14 days.

DO NOT graze or feed forage or hay to livestock within 27 days of last application.

DO NOT apply more than 13.8 fl ozs of **Republic** per acre per year (0.150 lb ai/year fluxapyroxad and 0.300 lb ai/year pyraclostrobin). **DO NOT** apply more than two (2) applications of **Republic** per year.

DO NOT make more than two (2) sequential applications of **Republic** before alternating to a labeled **non-Group 7** or **non-Group 11** fungicide. For use on grass grown for seed, the maximum product use rate is 13.8 fl ozs/A/year (0.150 lb ai/year fluxapyroxad and 0.300 lb ai/year pyraclostrobin).

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Oats*	Crown rust <i>(Puccinia coronata)</i> Helminthosporium leaf spot <i>(Drechslera avenae)</i> Leaf blotch <i>(Pyrenophora avenae)</i> Leaf rust <i>(Puccinia spp.)</i> Septoria blotch and stem rot <i>(Septoria spp., Phaeosphaeria spp., Stagonospora spp.)</i> Spot blotch <i>(Bipolaris spp.)</i> Stem rust <i>(Puccinia graminis f. sp. avenae)</i>	4 to 8**	2	16	Apply no later than 50% head emergence (Feekes 10.3, Zadok's 55) but no less than 21 days before harvest
<p>Application Directions. For optimal disease control, begin foliar applications of Republic™ fungicide prior to disease development. To maximize yields in cereals, it is important to protect the flag leaf. Apply Republic immediately after flag leaf emergence for optimum results.</p> <p>Republic does not control Fusarium head blight (head scab) or prevent the reductions in grain quality that can result from this disease. When head blight is a concern, growers should manage this disease with fungicides that are labeled for and effective in managing this disease, and with cultural practices like crop rotation and plowing to reduce crop residues that serve as an inoculum source.</p> <p>DO NOT harvest oat hay or feed green-chopped oats within 14 days of last application.</p> <p>DO NOT apply more than 16 fl ozs of Republic per acre per year (0.174 lb ai/year fluxapyroxad and 0.348 lb ai/year pyraclostrobin). DO NOT make more than two (2) sequential applications of Republic before alternating to a labeled non-Group 7 or non-Group 11 fungicide.</p> <p>* Not registered for use in California.</p> <p>** For early season control of leaf blotch, Septoria blotch and stem rot, and spot blotch when conditions favor disease development, apply 2 to 4 fl ozs per acre of Republic either in combination with a herbicide application or when conditions favor disease development. When the 2 to 4 fl ozs early season application rate is used, a second application of Republic may be required to protect the emerged flag leaf. Environmental conditions for disease or current disease pressure at the time of flag-leaf emergence should be used to determine the Republic rate for the second application. For high disease pressure, use the higher rate of Republic.</p>					

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year* (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Oilseed crops Flax seed	Pasmo (<i>Septoria linicola</i>)	4 to 8	2	16	21
Rapeseed (cultivars, varieties, and/or hybrids, including canola and crambe)	Blackleg (<i>Leptosphaeria maculans</i>) Blackspot (<i>Alternaria</i> spp.) Suppression only White mold/Sclerotinia stem rot (<i>Sclerotinia sclerotiorum</i>)				
Safflower	<i>Alternaria</i> spp. <i>Septoria</i> spp. Suppression only <i>Sclerotinia</i> spp.				
Sunflower	<i>Alternaria</i> leaf spot (<i>Alternaria</i> spp.) <i>Cercospora</i> leaf spot (<i>Cercospora helianthi</i>) Powdery mildew (<i>Erysiphe cichoracearum</i>) Rust (<i>Puccinia helianthi</i> , <i>Uromyces</i> spp.) <i>Septoria</i> leaf spot (<i>Septoria</i> spp.) White rust (<i>Albugo tragopogonis</i>) Suppression only <i>Sclerotinia</i> head blight (<i>Sclerotinia sclerotiorum</i>)				

Application Directions for Rapeseed. For the control of blackleg, apply **Republic™ fungicide** at the 2 to 4 leaf stage. For optimal control of blackspot, apply **Republic** at early pod development. For suppression of *Sclerotinia*, apply **Republic** at 20% to 50% flowering or prior to the onset of disease. A second application may be made 14 days later if weather conditions are favorable for disease development.

Application Directions for Flaxseed, Safflower and Sunflower. For optimal disease control, begin foliar applications of **Republic** prior to disease development and continue on a 7 to 14 day interval if conditions are conducive for disease development. Use the higher rate and shorter interval when disease pressure is high. The minimum retreatment interval is 7 days.

No livestock feeding restrictions.

DO NOT apply more than 16 fl ozs of **Republic** per acre per year (0.174 lb ai/year fluxapyroxad and 0.348 lb ai/year pyraclostrobin). **DO NOT** make more than two (2) sequential applications of **Republic** before alternating to a labeled **non-Group 7** or **non-Group 11** fungicide.

* The maximum product rate per year includes the combination of in-furrow, soil-directed and foliar uses (for above-listed crops, in-furrow and soil-directed use is permitted in sunflower only).

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Peanut	Early leaf spot <i>(Cercospora arachidicola)</i> Late leaf spot <i>(Cercosporidium personatum)</i> Pepper spot <i>(Leptosphaerulina crassiasca)</i> Rust <i>(Puccinia arachidis)</i> Web blotch <i>(Phoma arachidicola)</i>	4 to 8	3	24	14
	Rhizoctonia limb rot, Peg rot and Pod rot <i>(Rhizoctonia solani)</i> Sclerotium rot - Southern stem rot, Southern blight and White mold <i>(Sclerotium rolfsii)</i> Suppression only Sclerotinia blight <i>(Sclerotinia minor)</i> Cylindrocladium black rot <i>(Cylindrocladium crotonaria)</i>	8			

Application Directions. For control of early and late leaf spot, pepper spot, rust and web blotch, begin foliar applications of **Republic™ fungicide** prior to disease development and continue on a 14 to 21 day interval. The minimum retreatment interval is 14 days.

For control of Rhizoctonia and Sclerotium, begin foliar applications of **Republic** prior to disease development and continue on a 14 to 28 day interval. Use the higher rate and/or shorter spray interval when disease pressure is high or in fields with a history of disease.

Republic use in mixes with oil, methylated seed oil, crop oil concentrate and/or silicone-containing adjuvants may cause crop injury under certain conditions.

Peanut meal may be fed. **DO NOT** graze or harvest for forage use.

DO NOT apply more than 24 fl ozs of **Republic** per acre per year (0.261 lb ai/year fluxapyroxad and 0.521 lb ai/year pyraclostrobin). **DO NOT** apply more than three (3) applications of **Republic** per year.

DO NOT make more than two (2) sequential applications of **Republic** before alternating to a labeled **non-Group 7** or **non-Group 11** fungicide.

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Rye	Black point (Kernel blight or Head mold) (<i>Cochliobolus sativus</i> , <i>Alternaria</i> spp.) Leaf rust (<i>Puccinia</i> spp.) Net blotch (<i>Pyrenophora teres</i>) Powdery mildew (<i>Blumeria graminis</i> f. sp. <i>secalis</i>) Scald (<i>Rhynchosporium secalis</i>) Septoria leaf and glume blotch (<i>Septoria</i> spp., <i>Stagonospora</i> spp.) Spot blotch (<i>Cochliobolus sativus</i>) Stem rust (<i>Puccinia graminis</i> f. sp. <i>secalis</i>) Stripe rust (<i>Puccinia striiformis</i>) Tan spot (Yellow leaf spot) (<i>Pyrenophora</i> spp.)	4 to 8*	2	16	Apply no later than beginning of flowering (Feekes 10.5, Zadok's 59) but no less than 21 days before harvest
<p>Application Directions. For optimal disease control, begin foliar applications of Republic™ fungicide prior to disease development. To maximize yields in cereals, it is important to protect the flag leaf. Apply Republic immediately after flag leaf emergence for optimum results.</p> <p>Republic does not control Fusarium head blight (head scab) or prevent the reductions in grain quality that can result from this disease. When head blight is a concern, growers should manage this disease with fungicides that are labeled for and effective in managing this disease, and with cultural practices like crop rotation and plowing to reduce crop residues that serve as an inoculum source.</p> <p>DO NOT harvest rye hay or feed green-chopped rye within 7 days of last application.</p> <p>DO NOT apply more than 16 fl ozs of Republic per acre per year (0.174 lb ai/year fluxapyroxad and 0.348 lb ai/year pyraclostrobin). DO NOT make more than two (2) sequential applications of Republic before alternating to a labeled non-Group 7 or non-Group 11 fungicide.</p> <p>* For early season control of net blotch, Septoria leaf and glume blotch, spot blotch, and tan spot when conditions favor disease development, apply 2 to 4 fl ozs per acre of Republic either in combination with a herbicide application or when conditions favor disease development. When the 2 to 4 fl ozs early season application rate is used, a second application of Republic may be required to protect the emerged flag leaf. Environmental conditions for disease or current disease pressure at the time of flag-leaf emergence should be used to determine the Republic rate for the second application. For high disease pressure, use the higher rate of Republic.</p>					

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Sorghum* Milo* Millet* (pearl and proso)	Anthracnose <i>(Colletotrichum graminicola)</i> Gray leaf spot and Cercospora leaf spot <i>(Cercospora spp.)</i> Northern leaf blight <i>(Exserohilum turcicum)</i> Rust <i>(Puccinia spp.)</i> Southern leaf blight and Bipolaris leaf spot <i>(Bipolaris spp.)</i>	4 to 8	1	8	21
<p>Application Directions. For optimal disease control, begin foliar applications of Republic™ fungicide prior to disease development. Use the higher rate when disease pressure is high.</p> <p>DO NOT apply more than 8 fl ozs of Republic per acre per year (0.087 lb ai/year flupyraxad and 0.174 lb ai/year pyraclostrobin). DO NOT apply more than one (1) application of Republic per year.</p> <p>* Not registered for use in California.</p>					

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year* (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Soybean**	Alternaria leaf spot <i>(Alternaria spp.)</i> Anthracnose <i>(Colletotrichum truncatum)</i> Asian soybean rust <i>(Phakopsora pachyrhizi)</i> Brown spot <i>(Septoria glycines)</i> Cercospora blight <i>(Cercospora kikuchii)</i> Frogeye leaf spot <i>(Cercospora sojina)</i> Pod and stem blight <i>(Diaporthe phaseolorum)</i> Rhizoctonia aerial blight <i>(Rhizoctonia solani)</i> Target Spot <i>(Corynespora cassiicola)</i> Suppression only Sclerotinia blight (white mold) <i>(Sclerotinia sclerotiorum)</i>	4 to 8	2	16	21
	Suppression only Southern blight <i>(Sclerotium rolfsii)</i>	8			

Application Directions. For optimal disease control, begin foliar applications of **Republic™ fungicide** prior to disease development and continue on a 7 to 14 day interval if conditions are conducive for disease development. Use the higher rate and shorter interval when disease pressure is high. The minimum retreatment interval is 7 days.

For control of soybean rust, apply **Republic** prior to infection.

Republic may be used with adjuvants. See the **Additives and Tank Mixing Information** and **Mixing Order** sections for more details.

Soybean forage may be fed no sooner than 14 days after last application. Soybean hay may be fed no sooner than 21 days after last treatment.

DO NOT apply more than 16 fl ozs of **Republic** per acre per year (0.174 lb ai/year fluxapyroxad and 0.348 lb ai/year pyraclostrobin). **DO NOT** make more than two (2) sequential applications of **Republic** before alternating to a labeled **non-Group 7** or **non-Group 11** fungicide.

* The maximum product rate per year includes the combination of in-furrow, soil-directed and foliar uses.

** Not registered for use in California.

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Succulent shelled peas and beans*	Alternaria leaf and pod spot (<i>Alternaria</i> spp.)	4 to 8	2	16	7
Pigeon pea	Anthracnose (<i>Colletotrichum</i> spp.)				
<i>Phaseolus</i> spp.	Ascochyta blight (<i>Phoma exigua</i> , <i>Ascochyta</i> spp.)				
Lima bean, green	Asian soybean rust (<i>Phakopsora pachyrhizi</i>)				
<i>Pisum</i> spp.	Cercospora leaf spot (<i>Cercospora</i> spp.)				
Broad bean	Downy mildew (<i>Phytophthora nicotianae</i>)				
English pea	Mycosphaerella blight (<i>Mycosphaerella</i> spp.)				
Garden pea	Powdery mildew (<i>Erysiphe polygoni</i>)				
Green pea	Rust (<i>Uromyces appendiculatus</i>)				
<i>Vigna</i> spp.					
Blackeyed pea					
Cowpea					
Southern pea					
	Suppression only	4 to 8			
	Botrytis gray mold (<i>Botrytis cinerea</i>)				
	Suppression only	6 to 8			
	White mold (<i>Sclerotinia sclerotiorum</i>)				

Application Directions. For optimal disease control, begin foliar applications of **Republic™ fungicide** prior to disease development and continue on a 7 to 14 day interval if conditions are conducive for disease development. Use the higher rate and shorter interval when disease pressure is high. The minimum retreatment interval is 7 days.

Bean forage, bean hay, pea vines, and pea hay may be fed no sooner than 14 days after last application.

Use of Adjuvants and Other Products as Mixes with Republic.

The use of adjuvants or additives may improve the performance of **Republic** on succulent shelled peas and beans.

However, under certain conditions, mixtures of **Republic** with adjuvants, additives and/or other products may cause crop injury.

DO NOT use **Republic** with:

- Emulsifiable concentrate (EC) or solvent-based formulation products.
- Crop oil concentrate (COC), methylated seed oil (MSO), organosilicone (OS), MSO/OS blend adjuvants.

The manufacturer has not tested all varieties and cultivars with all possible tank mix combinations and rates of additives or adjuvants. Local environmental conditions also influence crop tolerance and may not match those under which the manufacturer has conducted testing. Physical incompatibility, reduced disease control, crop injury, or incompatibility due to additives, adjuvants or other products used in combination with **Republic** may result from mixing **Republic** with other products. Refer also to the **Conditions of Sale and Warranty** section of this label.

To minimize the likelihood of crop injury, Tenkoz recommends testing **Republic** in combination with other products for crop safety on a small portion of the crop. However, environmental variability precludes direct and consistent projection of small area test results to future use.

Consult a Tenkoz representative for more information concerning additives or adjuvants.

DO NOT apply more than 16 fl ozs of **Republic** per acre per year (0.174 lb ai/year fluxapyroxad and 0.348 lb ai/year pyraclostrobin). **DO NOT** make more than two (2) sequential applications of **Republic** before alternating to a labeled **non-Group 7** or **non-Group 11** fungicide.

* Not registered for use in California.

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year* (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Sugar beet (leaves, roots and tops)	Cercospora leaf spot (<i>Cercospora beticola</i>) Powdery mildew (<i>Erysiphe betae</i>) Rhizoctonia stem canker and crown rot** (<i>Rhizoctonia solani</i>)	6 to 8*	3	24	7

Application Directions. For optimal disease control, begin foliar applications of **Republic™ fungicide** prior to disease development and continue on a 14 day interval. Use the higher rate when disease pressure is high. The minimum retreatment interval is 14 days.

Sugar beet leaves, roots and tops may be fed no sooner than 7 days after last application.

Use of Adjuvants and Other Products as Mixes with Republic.

The use of adjuvants or additives may improve the performance of **Republic** on sugar beets. However, under certain conditions, mixtures of **Republic** with adjuvants, additives and/or other products may cause crop injury.

Prior to the 12-leaf growth stage, **DO NOT** use **Republic** with:

- Emulsifiable concentrate (EC) or solvent-based formulation products.
- Crop oil concentrate (COC), methylated seed oil (MSO), organosilicone (OS), MSO/OS blend adjuvants.

Once the sugar beet has reached the 12-leaf growth stage, the addition of emulsifiable concentrate (EC) or solvent-based formulation products, crop oil concentrate (COC), methylated seed oil (MSO), organosilicone (OS), or MSO/OS blend adjuvants may increase the potential for leaf burn. The manufacturer has not tested all varieties and cultivars with all possible tank mix combinations and rates of additives or adjuvants. Local environmental conditions also influence crop tolerance and may not match those under which the manufacturer has conducted testing. Physical incompatibility due to additives, adjuvants or other products used in combination with **Republic** may result from mixing **Republic** with other products. Refer also to the **Conditions of Sale and Warranty** section of this label.

To minimize the likelihood of crop injury, Tenkoz recommends testing **Republic** in combination with other products for crop safety on a small portion of the crop. However, environmental variability precludes direct and consistent projection of small area test results to future use.

Consult a Tenkoz representative for more information concerning additives or adjuvants.

DO NOT apply more than 24 fl ozs of **Republic** per acre per year (0.261 lb ai/year fluxapyroxad and 0.521 lb ai/year pyraclostrobin). **DO NOT** make more than one (1) application of **Republic** before the 4-leaf stage of plant growth. After the 4-leaf stage of plant growth, **DO NOT** make more than two (2) sequential applications of **Republic** before alternating to a labeled **non-Group 7** or **non-Group 11** fungicide.

* The maximum product rate per year includes the combination of in-furrow, soil-directed and foliar uses.

** Rhizoctonia stem canker and crown rot are registered for use in California at 8 fl ozs/A.

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Sugarcane*	Brown rust (<i>Puccinia melanocephala</i>) Orange rust (<i>Puccinia kuehni</i>)	4 to 9	3	18	14
<p>Application Directions. For optimal disease control, begin foliar applications of Republic™ fungicide at the first sign of disease. Repeat applications on 14 to 28 day intervals as needed if conditions for rust infection continue. Use the shorter interval and/or the higher rate when disease pressure is high. The minimum retreatment interval is 14 days.</p> <p>DO NOT apply this product to sugarcane through any type of irrigation system.</p> <p>DO NOT feed treated sugarcane commodities to livestock.</p> <p>Republic can be applied by ground or air. When applying by air, DO NOT use less than 5 gallons of spray solution per acre.</p> <p>DO NOT apply more than 9 fl ozs per acre of Republic by foliar treatment if an in-furrow or banded treatment is also applied.</p> <p>DO NOT apply more than 18.0 fl ozs of Republic per acre per year (0.195 lb ai/year fluxapyroxad and 0.391 lb ai/year pyraclostrobin). DO NOT apply more than two (2) sequential applications of Republic before alternating to a labeled non-Group 7 or non-Group 11 fungicide.</p> <p>DO NOT exceed a maximum of 18 fl ozs per acre per year of Republic when applied as a foliar, in-furrow, or banded treatment.</p> <p>* Not registered for use in California.</p>					

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year* (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Tuberous and corm vegetables Potato only	Black dot <i>(Colletotrichum coccodes)</i> Brown spot and Black pit** <i>(Alternaria alternata)</i> Early blight <i>(Alternaria solani)</i> Suppression only Botrytis gray mold** <i>(Botrytis cinerea)</i> Late blight** <i>(Phytophthora infestans)</i>	4 to 8	3	24	7
	Leaf spot <i>(Cercospora spp.)</i> Powdery mildew <i>(Erysiphe spp., Leveillula taurica)</i> Rust <i>(Uromyces spp., Puccinia spp.)</i> Suppression only White mold <i>(Sclerotinia sclerotiorum)</i>	6 to 8			

Application Directions. For optimal disease control, begin foliar applications of **Republic™ fungicide** prior to disease development and continue on a 7 to 14 day interval. The lower rate and longer interval can be used early season prior to the observance of symptoms and when disease pressure is low. The minimum retreatment interval is 7 days.

Use the higher rates and shorter intervals once disease has been confirmed in your area or weather conditions are conducive to disease development.

Use of Adjuvants and Other Products as Mixes with Republic. The use of additives or adjuvants may improve the performance of **Republic** on potatoes.

However, the manufacturer's evaluations also indicate that under some conditions, applications of **Republic** in combination with certain rates of organosilicone-based or oil-containing (petroleum, crop or methylated seed oil) additives or adjuvants, can cause crop injury. Crop injury also may result from applications of **Republic** mixed with other products that have solvent-based formulations that increase penetration.

The manufacturer has not tested all varieties and cultivars with all possible tank mix combinations and rates of additives or adjuvants. Local environmental conditions also influence crop tolerance and may not match those under which the manufacturer has conducted testing. Physical incompatibility, reduced disease control, crop injury, or incompatibility due to additives, adjuvants or other products used in combination with **Republic** may result from mixing **Republic** with other products. Refer also to the **Conditions of Sale and Warranty** section of this label.

To minimize the likelihood of crop injury, Tenkoz recommends testing **Republic** in combination with other products for crop safety on a small portion of the crop. However, environmental variability precludes direct and consistent projection of small area test results to future use.

Consult a Tenkoz representative for more information concerning additives or adjuvants.

No livestock feeding restrictions.

DO NOT apply more than 24 fl ozs of **Republic** per acre per year (0.261 lb ai/year fluxapyroxad and 0.521 lb ai/year pyraclostrobin). **DO NOT** apply more than three (3) applications of **Republic** per year.

DO NOT make more than two (2) sequential applications of **Republic** before alternating to a labeled **non-Group 7** or **non-Group 11** fungicide.

* The maximum product rate per year includes the combination of infurrow, soil-directed and foliar uses (for above-listed crops, infurrow and soil-directed use is permitted in potato only).

** Not registered for use in California.

(continued)

Table 2. Crop-specific Directions: Foliar Applications (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Applications per Year	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Wheat and triticale	Black point (Kernel blight or Head mold) (<i>Cochliobolus sativus</i> , <i>Alternaria</i> spp.) Leaf rust (<i>Puccinia</i> spp.) Powdery mildew (<i>Blumeria graminis</i> f. sp. <i>tritici</i>) Septoria leaf and glume blotch (<i>Septoria</i> spp., <i>Stagonospora</i> spp.) Spot blotch (<i>Cochliobolus sativus</i>) Stem rust (<i>Puccinia graminis</i> f. sp. <i>tritici</i>) Stripe rust (<i>Puccinia striiformis</i> f. sp. <i>tritici</i>) Tan spot (Yellow leaf spot) (<i>Pyrenophora</i> spp.)	4 to 8*	2	16	Apply no later than the beginning of flowering (Feekes 10.5, Zadok's 59) but no less than 21 days before harvest
	Suppression only Eyespot (<i>Tapesia</i> spp.)	6 to 8			

Application Directions. For optimal disease control, begin foliar applications of **Republic™ fungicide** prior to disease development. To maximize yields in cereals, it is important to protect the flag leaf. Apply **Republic** immediately after flag leaf emergence for optimum results.

DO NOT harvest wheat hay or feed green-chopped wheat within 14 days after last application.

Republic does not control Fusarium head blight (head scab) or prevent the reductions in grain quality that can result from this disease. When head blight is a concern, growers should manage this disease with fungicides that are labeled for and effective in managing this disease, and with cultural practices like crop rotation and plowing to reduce crop residues that serve as an inoculum source.

DO NOT apply more than 16 fl ozs of **Republic** per acre per year (0.174 lb ai/year fluxapyroxad and 0.348 lb ai/year pyraclostrobin). **DO NOT** make more than two (2) sequential applications of **Republic** before alternating to a labeled **non-Group 7** or **non-Group 11** fungicide.

*For early season control of Septoria leaf and glume blotch, spot blotch, and tan spot when conditions favor disease development, apply 2 to 4 fl ozs per acre of **Republic** either in combination with a herbicide application or when conditions favor disease development. When the 2 to 4 fl ozs early season application rate is used, a second application of **Republic** may be required to protect the emerged flag leaf. Environmental conditions for disease or current disease pressure at the time of flag-leaf emergence should be used to determine the **Republic** rate for the second application. For high disease pressure, use the higher rate of **Republic**.

(continued)

Table 3. In-furrow and Soil-directed Banded Sprays

Crop	Soilborne/Seedling Diseases	Product Use Rate per Application (fl oz product per 1000 row feet)	Maximum Number of Applications per Year
Cotton ²	Fusarium seed rot ³ , seedling blight ³ (<i>Fusarium</i> spp.) Rhizoctonia seed and seedling rot, root rot (<i>Rhizoctonia solani</i>) Suppression only Pythium damping off ³ (<i>Pythium</i> spp.)	0.1 to 0.6	1
Potato ²	Fusarium seed rot ³ , seedling blight ³ (<i>Fusarium</i> spp.) Rhizoctonia canker, seedling rot ⁴ (<i>Rhizoctonia solani</i>) Suppression only Pythium damping off ³ (<i>Pythium</i> spp.)	0.6 California 0.5 to 0.6 all other states	1
Soybean ¹	Fusarium seed rot, seedling blight (<i>Fusarium</i> spp.) Rhizoctonia seed and seedling rot (<i>Rhizoctonia solani</i>) Suppression only Pythium damping off (<i>Pythium</i> spp.)	0.1 to 0.6	1
Sugar beet ^{1,5}	Rhizoctonia seed and seedling rot, crown rot, and root rot (<i>Rhizoctonia solani</i>) Suppression only Fusarium seed rot, seedling blight (<i>Fusarium</i> spp.) Fusarium wilt (<i>Fusarium oxysporum</i>) Pythium damping off (<i>Pythium</i> spp.)	0.2 to 0.6*	1
Sugarcane ¹	Sugarcane Pineapple Disease (<i>Ceratocystis paradoxa</i>)	0.4 to 1.6	1

(continued)

Table 3. In-furrow and Soil-directed Banded Sprays (continued)

Crop	Soilborne/Seedling Diseases	Product Use Rate per Application (fl oz product per 1000 row feet)	Maximum Number of Applications per Year
Sunflower ¹	Fusarium seed rot, seedling blight <i>(Fusarium spp.)</i> Rhizoctonia seed and seedling rot <i>(Rhizoctonia solani)</i> Suppression only Pythium damping off <i>(Pythium spp.)</i>	0.1 to 0.6	1

Refer to the **Application Instructions** section and **Table 4. In-furrow and Soil-directed Banded Rate Calculation Table (Except Sugarcane)**** and **Table 5. In-furrow and Soil-directed Banded Rate Calculation Table for Sugarcane Only** for directions and rates for in-furrow and soil-directed banded applications.

Refer to **Table 1. Restrictions and Limitations Overview** to determine the annual maximum for each crop.

Rates vary depending on row spacing used.

¹ In-furrow and soil-directed banded applications are not registered for use in California.

² Soil-directed banded application is not registered for use in California.

³ Not registered for use in California.

⁴ Aids in control only in California.

⁵ Soil-directed banded sprays only.

* Use a minimum of 6 fl ozs/A equivalent.

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Table 4. In-furrow and Soil-directed Banded Rate Calculation Table (Except Sugarcane)**

Rate per 1000 row feet (fl oz product)	Product Rate (fl ozs/A) row width (inches)										
	7	15	20	22	26	30	32	34	36	38	40
0.1	7.5	3.5	2.6	2.4	2.0						
0.2	see footnote*	7.0	5.2	4.8	4.0	3.5	3.3	3.1	2.9	2.7	2.6
0.3	see footnote*	see footnote*	7.8	7.1	6.0	5.2	4.9	4.6	4.4	4.1	3.9
0.4	see footnote*	see footnote*	see footnote*	see footnote*	8.0	7.0	6.5	6.2	5.8	5.5	5.2
0.5	see footnote*	see footnote*	see footnote*	see footnote*	see footnote*	see footnote*	see footnote*	7.7	7.3	6.9	6.5
0.6	see footnote*	see footnote*	see footnote*	see footnote*	see footnote*	see footnote*	see footnote*	see footnote*	see footnote*	see footnote*	7.8
<p>Application Directions. Use Republic™ fungicide at the higher labeled rate when seed and seedling disease pressure is expected to be severe or if the field has a history of seed and seedling diseases.</p> <p>DO NOT apply more than 8.1 fl ozs per acre of Republic when applied as an in-furrow or banded treatment.</p> <p>The combination of an in-furrow Republic application or a banding application and any subsequent foliar applications must not exceed the maximum use rate per year listed on the container label.</p> <p>If tank mixing Republic with insecticides, conduct a jar test to determine compatibility. Refer to the Additives and Tank Mixing Information section for instructions on how to conduct a compatibility test for tank mix components. Always use constant tank agitation when using tank mixes of Republic with insecticide. DO NOT tank mix Republic with starter fertilizers.</p> <p>The manufacturer has not tested all possible tank mix combinations and rates of additives or adjuvants. Physical incompatibility, reduced disease control, crop injury or incompatibility due to additives, adjuvants or other products used in combination with Republic can result from mixing Republic with other products.</p>											
<p>* For 36 to 38-inch rows, use a maximum of 0.5 fl oz per 1000 row feet. For 34-inch rows, use a maximum of 0.5 fl oz per 1000 row feet. For 26 to 32-inch rows, use a maximum of 0.4 fl oz per 1000 row feet. For 20 to 22-inch rows, use a maximum of 0.3 fl oz per 1000 row feet. For 15-inch rows, use a maximum of 0.2 fl oz per 1000 row feet. For 7-inch rows, use a maximum of 0.1 fl oz per 1000 row feet.</p>											
<p>** Sugarcane In-furrow rates are provided in Table 5.</p>											

Table 5. In-furrow and Soil-directed Banded Rate Calculation Table for Sugarcane Only

Rate per 1000 row feet (fl ozs product)	Product Rate (fl ozs/A) row width (feet)				
	4 feet	5 feet	6 feet	7 feet	8 feet
0.4	4.4	3.5			
0.6	6.5	5.2	4.4	3.7	
0.8	8.7	7.0	5.8	5.0	4.4
1.0	see footnote*	8.7	7.3	6.2	5.5
1.2	see footnote*	see footnote*	8.7	7.5	6.5
1.4	see footnote*	see footnote*	see footnote*	8.7	7.6
1.6	see footnote*	see footnote*	see footnote*	see footnote*	8.7

Application Directions. Use **Republic™ fungicide** at the higher labeled rate in sugarcane when seedling disease pressure is expected to be severe or if the field has a history of seedling diseases. Consult with your local Tenkoz representative for the recommended water volume to use in your area when making in-furrow or soil-directed banded applications.

DO NOT apply more than 9 fl ozs per acre of **Republic** when applied as an in-furrow or banded treatment.

DO NOT exceed a maximum of 18 fl ozs per acre per year of **Republic** (0.195 lb ai fluxapyroxad and 0.391 lb ai pyraclostrobin) when applied as a foliar, in-furrow, or banded treatment.

The combination of an in-furrow Republic application or a banding application and any subsequent foliar applications of Republic must not exceed the maximum use rate per year listed on the container label.

If tank mixing **Republic** with insecticides, conduct a jar test to determine compatibility. Refer to the **Additives and Tank Mixing Information** section for instructions on how to conduct a compatibility test for tank mix components. Always use constant tank agitation when using tank mixes of **Republic** with insecticide. **DO NOT** tank mix **Republic** with starter fertilizers.

The manufacturer has not tested all possible tank mix combinations and rates of additives or adjuvants. Physical incompatibility, reduced disease control, crop injury or incompatibility due to additives, adjuvants or other products used in combination with **Republic** can result from mixing **Republic** with other products.

* For 7 foot rows, use a maximum of 1.4 fl ozs per 1000 row feet.
 For 6 foot rows, use a maximum of 1.2 fl ozs per 1000 row feet.
 For 5 foot rows, use a maximum of 1.0 fl oz per 1000 row feet.
 For 4 foot rows, use a maximum of 0.8 fl oz per 1000 row feet.

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, 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 weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of Tenkoz, Inc. ("Tenkoz") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

Tenkoz warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

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TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND TENKOZ'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, TENKOZ AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

Tenkoz and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of Tenkoz.

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