



BAYONET[®] 2

SOIL HERBICIDE

(For Control of Broadleaf Weeds and Grasses in Alfalfa, Asparagus, Beans, Carrot, Castor Bean, Celery, Chicory, Cole Crops, Field Corn, Corn Fodder, Forage and Silage, Cotton, Cottonwood Trees for Pulp, Cucurbits, Grain Sorghum, Fruit, Nutcrops, Vineyards, Greens, Hops, Kenaf, Mustard, Okra, Pea, Peanut, Pepper, Potatoes, Radish, Rapeseed, Safflower, Soybean, Sugar Beets, Sugarcane, Sunflower, Tomato, Small Grains – Barley, Durum and Wheat, Pot-In-Pot Nursery Production of Trees and Shrubs.)

ACTIVE INGREDIENTS

Trifluralin: α, α, α -trifluoro-2,6-dinitro-*N,N*-dipropyl-p-toluidine 10.000%
 Indole-3-butyric acid 0.001%

OTHER INGREDIENTS 89.999%

TOTAL 100.000%

KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

FIRST AID

IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.

For medical emergencies involving this product, call toll free 1-800-424-9300. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

See Inside Panel for Additional Precautions and Directions for Use.

AD 112410

NET CONTENTS: 40 LBS.

EPA Reg. No. 5905-554
 EPA Est. No. 5905-IA-1

Manufactured For
HELENA CHEMICAL COMPANY
 225 SCHILLING BOULEVARD, SUITE 300 • COLLIERVILLE, TENNESSEE 38017

PERSONAL PROTECTIVE EQUIPMENT (PPE)

If you want more options, follow the instructions for Category A on an EPA chemical-resistant category selection chart.

Applicators and all other handlers must wear:

- Long-sleeved shirt and long pants
- Socks and shoes, and
- Chemical-resistant gloves

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

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 immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. Do not apply in a manner which will directly expose canals, lakes, streams, ponds, marshes or estuaries to aerial drift. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

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. Do not apply this product through any type of irrigation system. **BAYONET® 2** is a herbicide which must be applied prior to the emergence (preemergence) of annual broadleaf and weed grasses. To assure prolonged control (seasonal) of weeds shown below, soil incorporation is essential.

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 protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry intervals. 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.

Exception: If product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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
- Shoes plus socks

STORAGE AND DISPOSAL

Do not contaminate water, food, feed, other pesticides, fertilizer or seeds by storage and disposal.

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

CONTAINER DISPOSAL: Nonrefillable container. Do not refill or reuse this container. Completely empty bag by shaking and tapping sides and bottom to loosen any clinging particles into application equipment. Offer for recycling, if available, or dispose of bags in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

BROADLEAF AND GRASS WEEDS CONTROLLED BY BAYONET® 2

BROADLEAF WEEDS

Carpetweed	<i>Mollugo verticillata</i>
Chickweed	<i>Stellaria media</i>
Florida Pusley (Florida Purslane) (Mexican Clover) (Pusley)	<i>Richardia scabra</i>
Goosefoot	<i>Chenopodium hybridum</i>
Henbit	<i>Lamium amplexicaule</i>
Knotweed	<i>Polygonum aviculare</i>
Lambsquarters	<i>Chenopodium album</i>
Pigweed (Carelessweed) (Prostrate Pigweed) (Redroot) (Rough Pigweed) (Spiny Pigweed)	<i>Amaranthus</i> spp.
Puncturevine (Western U.S. only) (Caltrop) (Goathead)	<i>Tribulus terrestris</i>
Purslane	<i>Portulaca oleracea</i>
Stinging Nettle (Nettle)	<i>Urtica dioica</i>

GRASSES

Annual Bluegrass	<i>Poa annua</i>
Annual Ryegrass	<i>Lolium multiflorum</i>
Barryardgrass (Watergrass)	<i>Echinochloa</i> spp.
Bromegrass (Cheatgrass) (Downy Brome)	<i>Bromus tectorum</i>
Cheat (Chess)	<i>Bromus secalinus</i>
Crabgrass (Large Crabgrass) (Smooth Crabgrass)	<i>Digitaria</i> spp.
Foxtail (Bottlegrass) (Bristlegrass) (Giant Foxtail) (Green Foxtail) (Foxtail Millet) (Pigeongrass) (Robust Foxtail) (Yellow Foxtail)	<i>Setaria</i> spp.
Johnsongrass (from seed)	<i>Sorghum halepense</i>
Junglerice	<i>Echinochloa colonum</i>
Sandbur (Burgess)	<i>Cenchrus incertus</i>
Signalgrass (<i>Brachiaria</i>)	<i>Brachiaria</i> sp.
Sprangletop	<i>Leptochloa filiformis</i>
Stinkgrass (Lovegrass)	<i>Eragrostis cilianensis</i>
Wild Cane (Shattercane)	<i>Sorghum bicolor</i>
Wild Oat*	<i>Avena fatua</i>
Woolly Cupgrass	<i>Eriochloa villosa</i>

*Applied as a preplant incorporated (PPI) treatment **BAYONET® 2** will provide partial control of wild oats. This claim is for all PPI uses except for fall application or spring-seeded cereals at foxtail (pigeongrass) control rates.

Long-term and continued use of trifluralin has resulted in the selection of tolerant populations in certain species of weeds.

This situation is limited to a few weeds and is generally geographically specific. Weed species known to have some trifluralin tolerant populations are goosegrass, green foxtail (pigeongrass) and *Palmer amaranthus* (Palmer pigweed). **BAYONET® 2** is not recommended for the control of goosegrass, tolerant green foxtail or *Palmer amaranthus*. Consult State Agricultural Extension Service or Experiment Station weed specialist for specific recommendations for local weed problems.

SOIL CONDITIONS AND PREPARATION

To enable the proper operation of application and incorporation equipment in order to insure uniform distribution and incorporation of **BAYONET® 2**, soil surface should be smooth as possible. Interference can be caused by ground cover such as crop residue or existing weeds. Soil should be tilled prior to the application of **BAYONET® 2** to allow uniform incorporation into the top 2 to 3 inches of soil. During incorporation process, soil moisture should be sufficient enough for large clods to broken up.

Crop Residues or Existing Weeds

Ground cover, such as crop residues or existing weeds, can interfere with the incorporation of **BAYONET® 2** into the soil. A manageable level of such ground cover will allow the **BAYONET® 2** to be uniformly incorporated into the top 2 to 3 inches of soil. If the level of the ground cover is such that this cannot be done, you must till the soil prior to the application of **BAYONET® 2**.

SOIL TEXTURE

Before application determine soil texture in order to apply the correct rate. Rates given refer to the following soil texture groups:

COARSE:	Sand, Loamy sand, Sandy loam
MEDIUM:	Loam, Silt, Silty clay loam, Silt loam, Sandy clay loam
FINE:	Clay, Clay loam, Silty clay loam, Silty clay, Sandy clay, Sandy clay loam

Silty clay loam and sandy clay loam soils are transitional soils and may be classified as either medium- or fine-textured soils. If silty clay loam or sandy clay loam soils are predominantly sand or silt, they are usually classified as medium-textured soils. If they are predominantly clay, they are usually classified as fine-textured soils. A fine-textured soil will require a higher application rate than a coarse-textured soil. Do not exceed recommended rates.

PRECAUTIONS AND RESTRICTIONS

BAYONET® 2 will not harm the treated crop under normal growing conditions and if applied according to directions. Crop injury or soil residue may result from over application. Uneven application or improper soil incorporation of **BAYONET® 2**, could result in erratic weed control or crop injury. Seedling disease, cold weather, deep planting, excessive moisture, high salt concentration or drought may weaken crop seedlings and increase the possibility of damage from **BAYONET® 2**. Under these conditions, delayed crop development or reduce yields may result.

Where specific crop recommendations are not given, use the lower rate for coarser soils or soils with lower organic matter. For soils containing 10% or more organic matter do not use **BAYONET® 2**.

In Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming, after a spring application of **BAYONET® 2**, sugarbeets, red beets or spinach should not be planted for 12 months or 14 months after fall application. Soil should be plowed to a depth of 12 inches prior to planting these crops to reduce the possibility of crop injury. If land has not been irrigated, do not plant any of these crops for 18 months after a spring application or 20 months after a fall application of **BAYONET® 2**.

In all other areas, sugarbeets, red beets and spinach should not be planted for 12 months after a spring application or 14 months after a fall application. Before planting sugarbeets, moldboard plow to a depth of 12 inches to reduce the possibility of crop injury.

Proso millet, corn, sorghum (milo), oats and annual or perennial grass crops or grass mixtures should not be planted for 12 months after a spring application or 14 months after fall application in the following states: Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming after a spring application of **BAYONET® 2**. If land has not been irrigated, these crops should not be planted for 18 months after a spring application or 20 months after a fall application. Moldboard plowing to depth of 12 inches before planting these crops will reduce the possibility of crop injury.

In Minnesota, North Dakota and South Dakota proso millet, sorghum (milo), oats and annual or perennial grass crops or grass mixtures should not be planted for 18 months after a spring application or 21 months after a fall application of **BAYONET® 2**.

In those areas of Kansas, Nebraska, Oklahoma, and Texas where at least 20 inches of rain/irrigation (total) was used to produce the crop, sorghum or oats should not be planted for 12 months after a spring application or 14 months after a fall application of **BAYONET® 2**.

Do not plant sorghum, proso millet or oats for 18 months after an application of **BAYONET® 2** if less than 20 inches of total water was used to produce the crop. Cool, wet weather conditions during the early stage of growth may increase the possibility of injury to sorghum.

Vegetable crops other than those listed on this label for preplant soil incorporated application of **BAYONET® 2** should not be planted within 5 months following the application of **BAYONET® 2** or other trifluralin products.

APPLICATION DIRECTIONS

Aerial/Ground Application

BAYONET® 2 may be applied with ground or aerial broadcast application equipment. Apply only with equipment capable of accurate calibration and uniform application of herbicide granules. Once properly calibrated the granular distributor should be checked regularly to assure proper operating condition. Do not apply **BAYONET® 2** in narrow bands. Apply at the recommended rate for soil texture class to be treated.

INCORPORATION DIRECTIONS

General Directions

BAYONET® 2 is a preemergence herbicide for control of many annual grasses and broadleaf weeds. Two incorporation passes are required. The first pass should occur within 24 hours after application. The second incorporation should be delayed 3 to 5 days after the first and be completed prior to planting in order to obtain the best results. A minimum delay of 7 days after the first incorporation is recommended for certain uses in small grains. The second incorporation pass should occur in a different direction than the first. Incorporate **BAYONET® 2** uniformly into the top 2 to 3 inches of the final seedbed. Set equipment so that the second incorporation pass is not deeper than the first as erratic weed control may result if untreated soil is moved to the surface during the second incorporation pass.

After Planting

For directions after planting check label under specific crop.

Bedded Culture

BAYONET® 2 needs to be incorporated into the top 2 to 3 inches of the final seedbed for effective weed control.

Application Prior to Bedding

Apply **BAYONET® 2** prior to bedding and incorporate it with recommended equipment. The bedding operation serves as the second incorporation. Avoid removal of untreated soil from the seedbed before or during the planting operation. This would expose untreated soil, allowing weeds to germinate in the drill row.

Application After Bedding

Knock off beds to planting height before application and incorporate **BAYONET® 2** with recommended equipment that will conform to the bed shape. Do not leave untreated soil exposed. Avoid removal of untreated soil from the seedbed before or during the planting operation. This would expose untreated soil, allowing weeds to germinate in the drill row.

Cultivation After Planting

Deep cultivation that could bring untreated soil to the soil surface and result in loss of weed control should be avoided.

Areas treated with **BAYONET® 2** may be shallowly cultivated without loss of weed control activity.

Recommended Equipment

Any recommended incorporation equipment may be used alone or in combination with any other recommended equipment. Two incorporation passes are necessary unless specifically stated. The second incorporation should not be deeper than the first.

Disc: Set to cut 4 to 6 inches deep and operate at 4 to 6 mph.

Chisel Plow: (For use in Northern Great Plains) The chisel plow may be used for the first incorporation pass only. Any other recommended incorporation equipment may be used for the second pass for row crops. The chisel plow may be used for any tillage or incorporation pass in the summer fallow program. Operate chisel plow 4 to 5 inches deep at 4 to 6 mph. A chisel plow is defined as having 3 rows of 14- to 18-inch sweeps spaced no more than 12 inches apart. Sweeps should be staggered so that no soil is left unturned. Chisel points should not be used.

Field Cultivator: Defined as implements with sweeps of 3 to 4 rows spaced at intervals of 7 inches or less, staggered so that no soil is left unturned. Set to cut 3 to 4 inches deep and operate at 5 mph or more. Do not use chisel points.

Combination Seedbed Conditioners: Set to cut 3 to 4 inches deep and operate at a speed of at least 5 mph. These are defined as three or more tillage devices combined and used as a single tool. For example 2 to 3 rows of field cultivator C- or S-shaped shanks with an effective sweep spacing of 6 to 9 inches (staggered so that no soil is left unturned), followed by a spike tooth or flextime harrow, followed by a ground driven reel or basket.

Rolling Cultivator: Set to cut 2 to 4 inches deep and operate at a speed of 6 to 8 mph. Rolling cultivators are effective for use on coarse- and medium-textured soils. The rolling cultivator may be used on fine-textured soils when used in sugar-cane.

Bed Conditioner (Do-All): Set to cut 2 to 4 inches deep and operate at a speed of 4 to 6 mph. The Do-All is effective when used on coarse- or medium-textured soils only. Only one incorporation pass is necessary in bedded culture. Two passes with the Do-All are necessary in flat planted culture.

Mulch Treader (other similar disc-type implements): Set Mulch Treader to cut 3 to 4 inches deep and operate at 5 to 8 mph.

P.T.O. Driven Equipment (tillers, cultivators, hoes): Only one incorporation is required. Adjust to incorporate **BAYONET® 2** into the top 2 to 3 inches of the seedbed using rotors spaced to give a clean sweep of the soil. P.T.O. equipment should not be operated at a speed greater than 4 mph.

Other Equipment: The flexible tine-tooth harrow (Flextine, Melroe) is also recommended but only for the special usage specified in this label. Use other equipment only as specified herein.

CROP DIRECTIONS

Apply **BAYONET® 2** any time after January 1 when the soil can be worked and is suitable for good incorporation. All recommendations are given as the broadcast rates of **BAYONET® 2** per acre. For fall application see specific crop recommendations for "FALL APPLICATION" heading.

FALL APPLICATION

These comments apply to areas receiving more than 20 inches average annual rainfall and for crops where **BAYONET® 2** is recommended for preemergence usage, but no specific fall application directions given. If specific fall application rates are not given, use **BAYONET® 2** at rates recommended for spring application. Always see specific crop recommendations before using **BAYONET® 2**. **NOTE:** Do not fall apply **BAYONET® 2** prior to planting sugarbeets, potatoes and direct-seeded tomatoes in the spring.

In most states apply and incorporate **BAYONET® 2** between October 15 and December 31. In California, Minnesota, North Dakota and South Dakota, **BAYONET® 2** may be applied and incorporated between September 1 and December 31.

Apply and incorporate on ground left flat or bedded during the winter. If bedded, knock down to proper height prior to planting, moving some treated soil from bed tops into furrows. If treated soil is left flat for winter, exercise caution in bedding operations to avoid turning up treated soil. Any weeds establishing as a result of bedding or other operations should be destroyed before planting. **NOTE: BAYONET® 2** should not be applied in the fall to soils which are wet or subject to prolonged flooding or where rice was grown.

ALFALFA

Established

BAYONET® 2 can be applied to **established** alfalfa during **dormancy** or throughout the growing season immediately after cutting. Apply **BAYONET® 2** for control of barnyardgrass, brome grass (cheatgrass, downy brome), canarygrass, cheat (chess), crabgrass, woolly cupgrass, foxtail, junglerice, sandbur and wild barley. Because **BAYONET® 2** does not control established weeds, application must be made prior to the expected time of weed germination.

Apply **BAYONET® 2** to established alfalfa stands prior to weed emergence at a rate of 20 pounds per acre on all soil textures. **BAYONET® 2** may be applied using properly calibrated ground or aerial application equipment. A single rainfall or overhead sprinkler irrigation of 0.5 inch or more or flood irrigation after application is required to activate **BAYONET® 2**. If this does not occur within three days after application, **BAYONET® 2** should be activated using incorporation equipment that will ensure thorough soil mixing with minimum damage to the established alfalfa. If activated using furrow irrigation, the surface of the beds between furrows should be thoroughly wetted.

Fall Application

Apply **BAYONET® 2** immediately after a cutting between August 1 and October 1. When fall-applied **BAYONET® 2** controls bromegrass and cheat in addition to other weeds listed above that germinate after application. Bromegrass and cheat begin to germinate in the fall with the onset of cooler weather.

Suppression of the parasitic weed, dodder (California Only)

Apply **BAYONET® 2** at 20 pounds per acre in late dormancy as a new growth resumes. A second 20-pound-per-acre treatment may be required where dodder infection is severe and should be preceded by at least two normal cutting cycles or 60 days of active alfalfa growth.

RESTRICTIONS

Do not exceed 20 pounds per acre in any one application and do not exceed 40 pounds per acre in any one year. Do not harvest alfalfa forage within 21 days after application. Do not harvest alfalfa hay within 20 days after an application.

Where alfalfa is to be rotated to another crop in the season following application of **BAYONET® 2**, plant only those crops to which **BAYONET® 2** can be applied as a preplant incorporated treatment or injury may result.

ASPARAGUS**Established**

Apply **BAYONET® 2** to established asparagus as a single or split application for suppression of volunteer seedling asparagus and field bindweed, when recommended rates, application and timing are followed.

Apply in winter or early spring after mature ferns have been removed, but before new spears begin to emerge.

Apply post-harvest applications immediately after harvest in late spring or early summer just before ferns are allowed to develop.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
Single Application Before or After Harvest	10	15	20
Split Application Before and After Harvest	5 + 5	7.5 + 7.5	10 + 10

Do not apply more than 10 pounds per acre on coarse soils, 15 pounds per acre on medium soils or 20 pounds per acre on fine soils during the calendar year.

BEANS**(Dry and Fresh Beans/Peas Except For Beans/Peas Listed Elsewhere on This Label)**

Apply and incorporate **BAYONET® 2** before planting in the spring.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
Annual Rainfall less than 20"	5	6.25	7.5
greater than 20"	5	7.5	10

On soils with 2–5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5–10% organic matter, use 10 pounds on all soil texture types.

Fall Application

BAYONET® 2 may be applied and incorporated between October 15 and December 31. Apply at a broadcast rate of 5 pounds per acre on coarse soils, 6.25 to 7.5 pounds on medium soils, and 7.5 pounds on fine soils. Use lower rate in areas receiving less than 20 inches total annual rainfall or irrigation. **NOTE:** Established weeds must be destroyed prior to application.

BEAN**Guar and Mungbean**

Apply and incorporate **BAYONET® 2** before planting.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
	5	7.5	7.5

On soils with 2–5% organic matter, use 7.5 pounds per acre.

BEAN**Lima and Snap**

Apply and incorporate **BAYONET® 2** before planting.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
	5	5	7.5

On soils with 2–5% organic matter, use 7.5 pounds per acre.

CARROT

Apply and incorporate **BAYONET® 2** before planting.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

<u>Annual Rainfall</u>	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
less than 20"	5	6.25	7.5
greater than 20"	5	7.5	10

On soils with 2–5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5–10% organic matter, use 10 pounds on all soil texture types.

CELERY

Apply as a soil incorporated treatment. **BAYONET® 2** may be applied to direct-seeded or transplant celery before planting, at planting or immediately after planting.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

<u>Annual Rainfall</u>	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
less than 20"	5	6.25	7.5
greater than 20"	5	7.5	10

On soils with 2–5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5–10% organic matter, use 10 pounds on all soil texture types.

CHICORY

(Cichorium intybus or Cichorium endive)

BAYONET® 2 may be applied as a preplant incorporated treatment to chicory grown either as a root crop or leafy vegetable as indicated below.

Cichorium intybus, considered to be a root crop, may be harvested as:

- Chicory – The dried and processed root used as a coffee substitute.
- Radicchio – Green leaves harvested from field grown plantings.
- Belgian Endive – White leaves grown in the dark from field grown rootstalks.

Cichorium endive, considered to be a leafy vegetable, may be harvested as:

- Escarole – Curly green leaves from field grown plantings.
- Endive – Very curly green leaves from field grown plantings.

Apply **BAYONET® 2** as a soil incorporated treatment in spring or early summer prior to planting.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
	5	7.5	10

On coarse and medium soils with 2–5% organic matter, use 7.5 pounds per acre. On fine soils with 2–5% organic matter, use 10 pounds per acre. On soils with 5–10% organic matter, use 10 to 12.5 pounds per acre on all soil textures.

COLE CROPS

Broccoli, Brussels Sprout, Cabbage and Cauliflower

Direct Seeded

Apply and incorporate **BAYONET® 2** before planting.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
	5	5	7.5

On soils with 2.5% organic matter, use 7.5 pounds per acre.

Direct-seeded cole crops have exhibited marginal tolerance to recommended rates of **BAYONET® 2**. **Stunting or reduced stands may occur.**

Transplant

Apply and incorporate **BAYONET® 2** prior to transplanting.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

<u>Annual Rainfall</u>	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
less than 20"	5	6.25	7.5
greater than 20"	5	7.5	10

On soils with 2–5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5–10% organic matter, use 10 pounds on all soil texture types.

FIELD CORN and CORN FODDER, FORAGE and SILAGE

BAYONET® 2 may be applied as a postemergence treatment following the use of a preemergence herbicide.

BAYONET® 2 does not control established weeds. Do not apply **BAYONET® 2** to sweet corn or corn grown for seed. **NOTE:** Do not apply **BAYONET® 2** as a preplant or preemergence treatment as crop injury may occur.

Soil Preparation and Application Directions

Cultivate before **BAYONET® 2** application to ensure loose, friable soil to remove established weeds and to cover the base of plants with soil. Set cultivation equipment to add approximately 1 inch of soil to the base of sorghum plants. Apply and incorporate **BAYONET® 2** as a postemergence treatment at the recommended rates for the soil texture when the crop is well established (8 inches or taller) or immediately after a cultivation, up to a height of 30 inches (24 inches for Grain Sorghum). Soil incorporation may be accomplished with only one pass of a sweep-type cultivator or a properly adjusted rolling cultivator. The sweep-type cultivator should have 3 to 5 sweeps per row middle and be operated at 6 to 8 mph. Set the middle sweeps so as to avoid exposing untreated soil. Adjust the incorporation tools to prevent crop injury.

Broadcast Rate Per Acre BAYONET® 2 (pounds)

Annual Rainfall	Coarse	Medium	Fine
less than 20"	3.75	5	7.5
greater than 20"	5	7.5	10

Use the lower rates when weed pressure is light and the higher rates when weed pressure is heavy.

Apply 5 to 7.5 pounds per acre on coarse soils in Alabama, Florida, Georgia, North Carolina, South Carolina and Virginia to control fall panicum and Texas panicum.

COTTON

Application Timing

BAYONET® 2 may be applied for weed control in cotton in the fall, in the spring before or at planting, after planting, but prior to crop emergence, and to established cotton up to and including layby, but no later than 90 days before harvest.

How To Apply

BAYONET® 2 may be applied and soil incorporated or it may be applied to the surface of soil and watered-in (follow directions for incorporation with overhead sprinkler irrigation in "Minimum Tillage Cotton" section below).

Follow recommended soil preparation, application, and incorporation procedures in the "General Information" section of this label. For fall application, in addition to the direction below, refer to instructions in the "Application Timing" section under "General Information". For layby application, refer to instructions in the "Layby Application" section below.

If incorporating after planting, incorporate **BAYONET® 2** soon after planting and set equipment so as to avoid disturbing planted cottonseed.

For band applications, reduce the application rate in proportion to the row spacing and bandwidth treated. For example, treating a 12-inch band where the row spacing is 36 inches would require 1/3 of the recommended broadcast rate per acre (12 inches divided by 36 inches = 1/3).

Conventional Tillage Cotton

Broadcast Rate Per Acre BAYONET® 2 (pounds)

Soil Texture	Spring	Fall	
	Application† (pounds)	Eastern U.S.†† (pounds)	Western U.S.†† (pounds)
Coarse	5	10	7.5
Medium	6.25 – 7.5	10	10
Fine	7.5 – 10	12.5	12.5

†Spring Application:

- On coarse and medium soils with 2–5% organic matter use 7.5 pounds per acre.
- On fine soils with 2–5% organic matter use 10 pounds per acre.
- On all soils with 5–10% organic matter use 10 pounds per acre.
- Use the lower rates in rate ranges in areas receiving less than 20 inches total annual rainfall and irrigation.

††Fall Application: For Eastern U.S. including Alabama, Arkansas, northern Florida, Georgia, Louisiana, Mississippi, south-eastern Missouri (Bootheel), North Carolina, New Mexico, Oklahoma, South Carolina, Tennessee, and Texas.

††Fall Application: For Western U.S. including Arizona and California.

For fall application in all other states and areas not listed in the above footnotes: Apply **BAYONET® 2** at the spring application rate, using the high rate where a range is given.

Minimum Tillage Cotton (Conservation Tillage Cotton)

Fall Application Prior to Establishing a Small Grain Cover Crop

Apply **BAYONET® 2** at a broadcast rate of 10 to 15 pounds per acre. Use the 15-pound per acre rate where crop residues are present or where dense weed populations are anticipated. Make applications to flat ground and incorporate once within 24 hours using incorporation implements such as a springtooth harrow that can be set to cut no more than 2 to 3 inches deep. Do not incorporate with a tandem disc. Form beds with disc bedders or other bedding implements that will mix and move most of the treated soil from the furrow area to the beds. Fertilizer may be applied as appropriate during incorporation operations. Plant 2 to 4 rows of a small grain cover crop, such as barley, rye or wheat, 2 inches deep in the furrow area between the beds. To avoid injury to small grains seedlings, place seed below the treated layer of soil. Barley is more tolerant to injury than wheat or rye. Existing soil moisture must be present to establish and maintain the cover crop. In late winter (February), apply 2,4-D if necessary for broadleaf weed control.

Spring Application Before or After Planting

Apply **BAYONET® 2** as a broadcast treatment or as a band to bare ground or standing dead cover following burndown with a postemergence herbicide. **BAYONET® 2** may be applied and incorporated either before planting or after planting. If applied after planting, incorporate immediately and set incorporation equipment at a depth that will not disturb the planted seed. If **BAYONET® 2** is applied as a band, adapt incorporation equipment to the width of the treated band and use equipment that will uniformly mix **BAYONET® 2** into the top 1 inch of soil. Be aware, that compared to double-pass incorporation, weed control may be reduced when using single pass incorporation; or, if using equipment that does not thoroughly mix **BAYONET® 2** into the treated soil.

Broadcast Rate Per Acre**BAYONET® 2** (pounds)

Soil Texture	(pounds)
Coarse	5.0 – 10.0
Medium	7.5 – 10.0
Fine	10.0 – 20.0

Use the lower rate in the rate range when additional sequential applications of **BAYONET® 2** are anticipated. Use the higher rate in the rate range where crop residues are present, or where dense weed populations are anticipated.

Incorporation with Overhead Sprinkler Irrigation

BAYONET® 2 may be surface applied in minimum tillage cotton as either a band or broadcast treatment before or after planting. Because **BAYONET® 2** does not control established weeds, planting and application should occur as soon as possible after the last tillage operation or cultivation, before weeds have germinated. Surface applied **BAYONET® 2** must be activated as soon as possible after application with 0.75 acre inch or more of uniformly applied overhead sprinkler irrigation. Do not delay irrigation past 3 days.

Broadcast Rate Per Acre**BAYONET® 2** (pounds)

Soil Texture	(pounds)
Coarse	5.0 – 15.0
Medium	7.5 – 20.0
Fine	10.0 – 20.0

Use the higher rate in the rate range where crop residues are present or where dense weed populations are anticipated.

Layby Application

Layby application may be made in established cotton after the 4 true leaf growth stage, but no later than 90 days before harvest. Apply **BAYONET® 2** uniformly to the soil surface using properly calibrated granular application equipment. Incorporate using one pass of a sweep-type cultivator or properly adjusted rolling cultivator. Operate cultivation equipment at speeds sufficient to provide vigorous soil mixing, and exercise care to avoid mechanical injury to the crop. Compared to conventional double pass incorporation, weed control may be reduced when using single pass incorporation, or if using equipment that does not provide thorough soil mixing. The layby application rate must not exceed the rate given in the layby table below for each soil texture.

Broadcast Rate Per Acre**BAYONET® 2** (pounds)

Soil Texture	(pounds)
Coarse	5.0
Medium	7.5
Fine	10.0

Restrictions and Use Precautions

Precautions: To avoid crop injury, cotton should be planted after early-season adverse weather conditions have passed, especially when using high rates. Cool, wet weather early in the growth cycle causes stress to the cotton plant. The added stress may result in reduced stand, delayed maturity, and reduced yields.

Maximum Crop Year Use Rate: For full-season weed control, **BAYONET® 2** may be applied one or more times sequentially during the cotton crop year observing the rates, methods of application, and a 90-day preharvest interval. The maximum dosage must not exceed the rates given, and the maximum cumulative amount of **BAYONET® 2** that may be applied within the same crop year (includes fall application, or spring application, and layby application) must not exceed 20 pounds per acre (2 pounds active ingredient per acre).

Rotation Crop Restrictions: Refer to the "Rotation Crop Restrictions" section under "General Information" for specific rotational crop restrictions. When the cumulative amount of **BAYONET® 2** in one crop year (fall + or spring + plus layby) exceeds the rates in the table below, plant only those crops for which **BAYONET® 2** is labeled as a preplant incorporated treatment in the season following the application of **BAYONET® 2**, or crop injury may result.

Broadcast Rate Per Acre**BAYONET® 2** (pounds)

Soil Texture	(pounds)
Coarse	7.5
Medium	7.5
Fine	10.0

A small grain cover crop, such as barley, rye, or wheat, intended for prevention of wind erosion in Minimum Tillage Cotton may be planted in the fall following a maximum crop year use rate of 20 pounds per acre of **BAYONET® 2**; however, reduced stand and delayed emergence and development of the cover crop may result. The cover crop must not be grazed or harvested.

Postemergence Application of Other Herbicides

Apply **BAYONET® 2** as a preplant incorporated treatment. Additional weeds tolerant to **BAYONET® 2** may be controlled using postemergence application of other herbicides for use on cotton. Such applications may be made unless use following a **BAYONET® 2** application is specifically prohibited by the product label.

Consult the postemergence product label for additional weeds controlled, directions for use, precautions and limitations.

COTTONWOOD TREES GROWN FOR PULP

New Plantings:

Apply and incorporate **BAYONET® 2** before planting.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

<u>Annual Rainfall</u>	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
less than 20"	5	6.25	7.5
greater than 20"	5	7.5	10

On soils with 2–5% organic matter use 7.5 to 10 pounds and on soils with 5–10% organic matter use 10 pounds.

Established Plantings:

Apply **BAYONET® 2** in established plantings as a ground application. A single rainfall or overhead sprinkler irrigation of 0.5 inch or more or flood irrigation after application is required to activate **BAYONET® 2**.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

All Soils
10–20

Application rate range may be adjusted according to weed pressure.

Johnsongrass Suppression:

Proper soil preparation before application is necessary for satisfactory results. Use incorporation methods not injurious to the crop.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

All Soils
10–20

Some johnsongrass plants will escape. Timely cultivation with tillage implements or spot spraying with effective postemergence herbicides will improve the level of johnsongrass control.

CUCURBITS Cantaloupe, Cucumber, Watermelon

Postemergence Only

Apply and incorporate **BAYONET® 2** as a directed application to the soil between the rows and beneath plants which are in the 3 to 4 true leaf stage.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

<u>Annual Rainfall</u>	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
less than 20"	5	6.25	7.5
greater than 20"	5	7.5	10

On soils with 2–5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5–10% organic matter, use 10 pounds on all soil texture types.

FLAX

Apply and incorporate **BAYONET® 2** in the fall from September 1 to December 31 in California, Minnesota, North Dakota and South Dakota and between October 15 and December 31 in other states.

Broadcast Rates Per Acre

BAYONET® 2 (pounds)

<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
5	7.5	10

Special Instructions

- Incorporation operations or any other tillages performed in the spring prior to seeding should be relatively shallow so as to maintain a firm seedbed, and the seedbed should be packed just prior to seeding.
- Seeding should be done with a press drill or hoe drill. Seed into a moist seedbed no more than 1.5 inches deep.
- Flax should not be seeded until the seedbed has warmed up.

GRAIN SORGHUM (MILO)

BAYONET® 2 may be applied as a postemergence treatment following the use of a preemergence herbicide. Uniformly apply to the soil surface when grain sorghum is 8 to 24 inches tall. **BAYONET® 2** does not control established weeds.

Soil Preparation

Cultivate before application to remove established weeds and cover the base of plants with soil. Set cultivation equipment to add approximately one inch of soil to the base of sorghum plants.

Activations and Incorporation Directions

BAYONET® 2 should be incorporated within 24 hours after application. Incorporation may be accomplished with one pass of a sweep-type cultivator or properly adjusted rolling cultivator. The sweep-type cultivator should have 3 to 5 sweeps per row middle and be operated at a speed sufficient to provide vigorous soil mixing. Set middle sweeps so as to avoid exposing untreated soil. Adjust incorporation equipment so as to avoid mechanical injury to the crop.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

<u>Soil Texture</u>	(pounds)
Coarse	4–5
Medium	5–7.5
Fine	7.5–10.0

Apply lower rate in rate range in areas receiving less than 20 inches total annual rainfall and irrigation.

Restriction: Do not apply after grain sorghum is 24 inches tall.

FORAGE LEGUMES

Forage Legumes Used as Cover Crops or in the Acreage Conservation Reserve Program

Apply and incorporate **BAYONET® 2** as a preplant treatment.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

<u>Annual Rainfall</u>	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
less than 20"	5	5	7.5
greater than 20"	5	7.5	7.5

USE PRECAUTION

If used under the Acreage Conservation Reserve Program, follow the more severe grazing restrictions imposed by the USDA Conservation Use Program. Consult the local ASCS committee or other State Agency to determine the period of the USDA grazing restriction.

Some crop stand reduction may occur with this use; however, reduced weed competition will allow establishment of a quality stand.

FRUIT, NUTCROPS, VINEYARDS

Apply and incorporate **BAYONET® 2** for new plantings of almond, apricot, citrus, nectarine, peach, pecan, plum, prune and walnut trees, before planting.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

<u>Annual Rainfall</u>	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
less than 20"	5	6.25 to 7.5	7.5
greater than 20"	5	7.5	10

On soils with 2–5% organic matter use 7.5 to 10 pounds per acre and on soils with 5–10% organic matter use 10 pounds per acre.

New Plantings of Vineyards

Apply and incorporate **BAYONET® 2**, for new plantings of vineyards, before planting.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

<u>Annual Rainfall</u>	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
less than 20"	5	7.5	15
greater than 20"	7.5	15	20

On soils with 2–10% organic matter use 15 to 20 pounds per acre. Do not use more than 10 pounds per acre on heat-treated grape rootings.

Application to Established Non-bearing and Bearing Citrus, Fruit and Nut Crops and Vineyards

Apply **BAYONET® 2** for postplant applications on bearing or non-bearing, established plantings of vineyards and almond, apricot, grapefruit, lemon, nectarine, orange, peach, pecan, plum, prune, tangelo, tangerine and walnut trees. Apply **BAYONET® 2** in established plantings to the soil and use incorporation methods not injurious to the trees or vines. Do not apply to vineyards within 60 days of harvest.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

All Soils

10 to 20

GREENS

Turnip Greens grown for processing; Collard, Kale and Mustard Greens

Apply and incorporate **BAYONET® 2** as a preplant treatment.

Broadcast Rates Per Acre

BAYONET® 2 (pounds)

<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
5	7.5	7.5

HOPS

Apply and incorporate **BAYONET® 2** to established hops during dormancy. Incorporate once using incorporation equipment that will ensure thorough soil mixing with minimal damage to crop stand.

Broadcast Rates Per Acre

BAYONET® 2 (pounds)

<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
5	6.25–7.5	6.25–7.5

On coarse and medium soils with 2–5% organic matter, use 7.5 pounds per acre.

MUSTARD

Grown for seed or processing for food in Minnesota, North Dakota and South Dakota

Apply and incorporate **BAYONET® 2** before planting.

Broadcast Rates Per Acre

BAYONET® 2 (pounds)

<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
5	7.5	7.5

OKRA

Apply and incorporate **BAYONET® 2** before planting.

Broadcast Rate Per Acre
BAYONET® 2 (pounds)

<u>Annual Rainfall</u>	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
less than 20"	5	6.25	7.5
greater than 20"	5	7.5	10

On soils with 2–5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5–10% organic matter, use 10 pounds on all soil texture types.

PEA
Dry and English

Apply and incorporate **BAYONET® 2** in the spring before planting or in the fall.

Broadcast Rate Per Acre
BAYONET® 2 (pounds)

	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
Spring Application	5	5	7.5
Fall Application*	5	6.25–7.5	7.5

* **BAYONET® 2** may be fall-applied to dry and English peas in Idaho, Oregon and Washington.

PEA
Southern

Apply and incorporate **BAYONET® 2** before planting.

Broadcast Rate Per Acre
BAYONET® 2 (pounds)

<u>Annual Rainfall</u>	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
less than 20"	5	6.25	7.5
greater than 20"	5	7.5	10

On soils with 2–5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5–10% organic matter, use 10 pounds on all soil texture types.

PEANUT
Spanish Peanuts, Florunner and Florigiant in New Mexico, Oklahoma and Texas

BAYONET® 2 may be applied and incorporated before or after planting. If applied after planting, extreme care must be taken not to disturb the seed during incorporation.

Broadcast Rates Per Acre
BAYONET® 2 (pounds)

<u>Coarse</u>	<u>Medium</u>
5	7.5

PEPPER

Apply and incorporate **BAYONET® 2** prior to transplanting. Use after transplanting is prohibited.

Broadcast Rate Per Acre
BAYONET® 2 (pounds)

<u>Annual Rainfall</u>	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
less than 20"	5	6.25	7.5
greater than 20"	5	7.5	10

On soils with 2–5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5–10% organic matter, use 10 pounds on all soil texture types.

POTATOES
(Not for Use in the State of Maine)

Apply and incorporate **BAYONET® 2** after planting, prior to crop emergence, immediately following dragoff or after potato plants have fully emerged.

Set incorporation equipment so that the bed and furrow are uniformly covered with a layer of treated soil. If the layer of treated soil is not uniform and the herbicide is concentrated over the bed, potato emergence may be retarded and stem brittleness can occur. When applying and incorporating **BAYONET® 2** after potato plants have fully emerged, do not completely cover the foliage with treated soil. Do not completely cover foliage during subsequent cultivations. Be careful that incorporation equipment does not damage seed pieces or elongating sprouts.

Broadcast Rate Per Acre
BAYONET® 2 (pounds)

<u>Annual Rainfall</u>	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
less than 20"	5	6.25	7.5
greater than 20"	5	7.5	10

On soils with 2–5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5–10% organic matter, use 10 pounds on all soil texture types.

RADISH

Apply and incorporate **BAYONET® 2** before planting.

Broadcast Rate Per Acre
BAYONET® 2 (pounds)

<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
5	7.5	7.5

RAPSEED (Canola)

Apply and incorporate **BAYONET® 2** in the spring before planting or in the fall after September 1.

Broadcast Rates Per Acre
BAYONET® 2 (pounds)

<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
5	7.5	10

SAFFLOWER

Preemergence

BAYONET® 2 may be applied before planting in the spring or between October 15 and December 31.

Broadcast Rate Per Acre
BAYONET® 2 (pounds)

<u>Annual Rainfall</u>	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
less than 20"	5	6.25–7.5	7.5
greater than 20"	5	7.5	10

On soils with 2–5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5–10% organic matter, use 10 to 12 pounds on all soil texture types.

Fall Application in Arizona, California, Idaho, Montana, Nevada, Oregon, Utah, Washington and Wyoming

BAYONET® 2 may be applied and incorporated between October 15 and December 31 and ground left flat or bedded during the winter. If bedded, knock down to proper height prior to planting, moving some treated soil from bed tops into furrows. If treated soil is left flat for winter, exercise caution in bedding operations to avoid turning up untreated soil. Any weeds establishing as a result of bedding or other operations should be destroyed before planting. **NOTE: BAYONET® 2** should not be applied in the fall to soils which are wet or subject to prolonged flooding.

Broadcast Rates Per Acre
BAYONET® 2 (pounds)

<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
7.5	10	12.5

SOYBEAN

Preemergence

BAYONET® 2 may be applied and incorporated before planting.

Broadcast Rate Per Acre
BAYONET® 2 (pounds)

<u>Annual Rainfall</u>	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
less than 20"	5	6.25	7.5
greater than 20"	5	7.5	10

On soils with 2–5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5–10% organic matter, use 10 pounds on all soil texture types.

Fall Application

BAYONET® 2 may be applied and incorporated between October 15 and December 31 and ground left flat or bedded during the winter. If bedded, knock down to proper height prior to planting, moving some treated soil from bed tops into furrows. If treated soil is left flat for winter, exercise caution in bedding operations to avoid turning up untreated soil. Any weeds established as a result of bedding or other operations should be destroyed before planting.

Broadcast Rate Per Acre
BAYONET® 2 (pounds)

	<u>Soil Type</u>	<u>States</u>
10	Coarse and Medium	Alabama, Northern Florida, Georgia, Mississippi, Missouri bootheel, North Carolina, Oklahoma, South Carolina, Tennessee and Texas
12.5	Fine	Same as for Coarse and Medium
7.5	Coarse and Medium with 2–5% organic matter	All Other States
10	Fine	All Other States
10 to 12.5	5–10% organic matter	All Other States

USE PRECAUTION

Do not fall apply **BAYONET® 2** to soils which are wet or subject to prolonged periods of flooding, or where rice was grown the previous year.

Preemergence Overlay Applications Following BAYONET® 2 (Except California)

Apply and incorporate BAYONET® 2 as a preplant treatment. Additional weeds tolerant to BAYONET® 2 may be controlled by using other products registered for use on soybeans. Such treatments may be made, unless use following a trifluralin application is specifically prohibited by the product label. Consult the overlay product label for additional weeds controlled, directions for use, cautions and limitations before use.

Postemergence Treatment Following BAYONET® 2 (Except California)

Apply and incorporate BAYONET® 2 as a preplant treatment. Additional weeds tolerant to BAYONET® 2 may be controlled using postemergence applications of other products registered for use on soybeans. Such treatments may be made, unless use following a trifluralin application is specifically prohibited by the product label. Consult the overlay or postemergence product label for additional weeds controlled, directions for use, cautions and limitations before use.

SPECIAL USE PROGRAM – SOYBEANS GROWN UNDER REDUCED OR CONSERVATION TILLAGE CONDITIONS

Apply in fall or spring as a preplant incorporated treatment for weed control in soybeans grown under reduced or conservation tillage conditions.

Make applications to tilled land or standing or chopped stubble from the previous season's crop. Incorporation equipment should mix the product thoroughly and uniformly into the top 2–3 inches of the final seedbed, leaving a maximum amount of crop residue on the soil surface.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

<u>Annual Rainfall</u>	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
less than 20"	7.5–10	10–12.5	12.5–15
greater than 20"	5–7.5	7.5–10	10–12.5

Use the higher rate in the range where higher crop residues are present, or where dense weed populations are anticipated.

USE PRECAUTIONS

Two incorporation passes are required. The first incorporation must occur 24 hours after the application. For fall application, the second incorporation should be made in the spring before planting. For best results with spring application, the second incorporation should occur at least 5 days after initial incorporation.

To be effective, BAYONET® 2 must be mixed thoroughly in the top 2–3 inches of soil in the final seedbed. Weed control may be poor or erratic where soil conditions or heavy crop residues do not permit thorough soil mixing.

RESTRICTION

Make only one application per crop cycle.

SUGAR BEETS

Precautions: Exposed sugar beet roots should be covered with soil before applying. BAYONET® 2 may be applied over-the-top of 2- to 6-inch tall plants. Incorporation equipment should be set to avoid injury to the sugar beet tap root while throwing treated soil toward the plants in the row.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

<u>Annual Rainfall</u>	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
less than 20"	5	6.25	6.25
greater than 20"	5	7.5	7.5

SUGARCANE

Apply and incorporate BAYONET® 2 twice a year, making the first application in the fall on firmly packed beds immediately after the seed pieces are planted. Make a second application in the spring before or shortly after the cane emerges. Loosen rain-packed beds 2 to 3 inches deep before spring application. Take care that incorporation equipment does not damage the seed pieces or emerging shoots.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

All Soils

10–20 pounds

Application rate range may be adjusted to weed pressure.

Applications Up to Layby for Plant Cane or Ratoon Cane (For use in Louisiana and Texas)

Apply and incorporate in the spring from shortly before or after cane emergence until layby. Apply after beds have been shaved or false shaved. Loosen rain-packed beds 2 to 3 inches deep before application. Avoid incorporation equipment damage to seed pieces or emerging shoots. Incorporate with a rolling cultivator or bed chopper for all soil textures. Set rolling cultivator to cut 2 to 4 inches deep and operate at 6 to 8 mph. Set bed chopper to cut 3 to 4 inches deep and operate at 4 to 6 mph. Two incorporation passes are necessary.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

All Soils

10–20 pounds

Application rate range may be adjusted according to weed pressure.

Itchgrass (Raouigrass) Control (For Use in Louisiana)

Apply and incorporate on plant or ratoon cane. Follow use directions in "Layby" section.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

All Soils

10–20 pounds

Application rate range may be adjusted according to weed pressure.

SUNFLOWER

BAYONET® 2 may be applied and incorporated in the spring or in the fall between September 15 and December 31 in California, Minnesota, North Dakota and South Dakota, and between October 15 and December 31 in all other states.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

<u>Annual Rainfall</u>	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
less than 20"	5	6.25	7.5
greater than 20"	5	7.5	10

On soils with 2–5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5–10% organic matter, use 10 pounds on all soil texture types.

TOMATO

Direct-Seeded/Transplanted

For direct-seeded tomato, apply at blocking or thinning to the soil between rows and beneath plants and incorporate. For transplant tomato apply and incorporate prior to planting. Do not apply after transplanting.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)

<u>Annual Rainfall</u>	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
less than 20"	5	6.25	7.5
greater than 20"	5	7.5	10

On soils with 2–5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5–10% organic matter, use 10 pounds on all soil texture types.

SMALL GRAINS – BARLEY, DURUM AND WHEAT

Special Precaution for Use of BAYONET® 2 on Small Grains

Follow carefully the **BAYONET® 2** directions for use on small grains to minimize potential crop stress. Under certain conditions, delayed crop emergence and/or stand reduction may occur when **BAYONET® 2** is applied to small grains. The combined effect of certain cultural practices and unfavorable soil or environmental conditions may cause excessive crop seedling stress resulting in retarded crop growth, stand reduction and possibly reduced yield.

For best results, observe the following cultural practices or precautions:

Use tillage methods that provide a uniformly firm seedbed and time tillage operations to conserve moisture.

Irrigate prior to planting or after germination and emergence. Moisture received between planting and emergence may cause crusting, especially on loose, friable seedbeds.

Do not exceed recommended application rates for **BAYONET® 2**. This is particularly important on coarse-textured or low organic matter soils.

Carefully follow incorporation directions. When applying preplant incorporated treatments, operate equipment at recommended depth and speed to place **BAYONET® 2** into the upper 1 to 1.5 inches of soil. If applied after planting, set equipment so as to not disturb planted seed.

Set drills to place seed at the depth specified in use directions. A planting depth greater than 2.5 inches for **spring wheat or durum** will result in increased seedling stress and decreased emergence.

Where **BAYONET® 2** is to be applied use only high-quality seed (avoid use of small seed with low starch reserves).

If seed treatments are used, apply at the correct rate and uniformly across all seeds. Misapplication may result in reduced germination and/or seedling vigor.

Avoid use of seed varieties known to have poor seedling emergence vigor.

Do not apply **BAYONET® 2** in the fall in combinations with any other preplant incorporated herbicide.

Soil characteristics and environmental conditions which may contribute to crop seedling stress that may be accentuated by use of BAYONET® 2 include:

Soil related: High salinity, eroded knolls/hilltops, loose dry soils and compaction.

Weather related: Cold and/or wet soils, excessively hot soils, excessive moisture, drought and soil crusting from heavy rainfall.

NOTE: Do not apply BAYONET® 2 on small grains where a dinitroaniline herbicide such as BAYONET® 2 was applied at a rate recommended for row crops (oil seeds) during the previous growing season.

Incorporation Instructions/Equipment

Special attention must be paid to soil incorporation because unless such is effectively done, **BAYONET® 2** will not provide desired levels of weed control. Use incorporation equipment in the manner described below unless otherwise specified in incorporation instructions. Any of the following implements listed below may be used for the first incorporation of **BAYONET® 2**.

Use only the disc or field cultivator for the second incorporation pass and incorporate in a different direction. Poor weed control may result if untreated soil is moved to the surface during the second incorporation pass. To avoid this, the second incorporation should not be deeper than the first.

Tandem Disc: Operate at 3 to 4 inches deep at 4 to 6 mph.

Chisel Plow: A chisel plow is defined to have 3 rows of 14- to 18-inch sweeps on no greater than 12-inch centers. Sweeps should be staggered so that no soil is left unturned. Operate at 4 to 5 inches deep at 4 to 6 mph. **NOTE:** Do not use Chisel Points.

Field Cultivator: A field cultivator is defined to have 3 to 4 rows of sweeps with C- or S-shaped shanks spread 7 inches or less, staggered to leave no soil unturned. Operate at 3 to 4 inches deep at 5 mph or more.

WHEAT, DURUM AND BARLEY

Spring Seeded – Summer Fallow Application

Apply and incorporate **BAYONET® 2** to control labeled weeds during summer fallow as well as foxtail (pigeongrass) where grains are seeded the subsequent spring. When applying **BAYONET® 2** soil condition is important, application may be made only where trash levels are manageable, land has been fallow, pre-tilled or left with stubble cover.

Two incorporations are essential for weed control. The first incorporation should be made within 24 hours of application. The second and all subsequent tillage activities are to be conducted as required to destroy resistant weeds as present.

NOTE: Control of labeled weeds may not occur prior to the second incorporation.

Broadcast Rate Per Acre BAYONET® 2 (pounds)

Application Period	Less Than 10 Inches	More Than 10 Inches
	Annual Rainfall	Annual Rainfall
April 15 to 30	8.75	10
May 1 to 31	8.75–7.5	10–8.75
June 1 to 30	7.5–6.25	8.75–7.5
July 1 to 31	6.25–5.0	7.5–6.25
August 1 to 31	5.0	6.25–5.0

Where a rate range is shown, use the higher rate per acre during the early part of an application period and the lower rate per acre during the later part of an application period.

Incorporation Instructions

See "Incorporation Instructions/Equipment" in "Small Grains" section above.

Seeding Directions

Seed should be planted approximately 2 inches deep.

USE PRECAUTION

Use of **BAYONET® 2** in this manner may result in a stand reduction; **generally slight stand reductions do not affect yield.**

BARLEY

Spring Seeded – Fall Application

Minnesota, North Dakota and South Dakota (except for special rate programs)

Apply in the fall for general weed control during the following growing season. Incorporate one time within 24 hours. Incorporate a second time before planting to destroy existing weeds and ensure uniform distribution of **BAYONET® 2**-treated soil. For best control results, the second incorporation should occur at least 7 days after the first.

Broadcast Rate Per Acre BAYONET® 2 (pounds)

Coarse	Medium	Fine
5	7.5	7.5

Incorporation Instructions

See "Incorporation Instructions/Equipment" in "Small Grains" section above.

Seeding Directions

Seed should be planted approximately 2 inches deep.

USE PRECAUTION

Use of **BAYONET® 2** in this manner may result in a stand reduction; **generally slight stand reductions usually do not affect yield.**

BARLEY

Spring Seeded – Spring Application

Minnesota, North Dakota and South Dakota

Apply in the spring as a preplant incorporated treatment in spring seeded barley for control of foxtail (pigeongrass). Incorporate one time within 24 hours. Incorporate a second time before planting to destroy existing weeds and ensure uniform distribution of **BAYONET® 2** in treated soil. For best weed control results, the second incorporation should occur at least 7 days after the first.

Broadcast Rate Per Acre BAYONET® 2 (pounds)

Coarse	Medium	Fine
5	5	5

Incorporation Instructions

See "Incorporation Instructions/Equipment" in "Small Grains" section above.

Seeding Directions

Seed should be planted approximately 2 inches deep.

USE PRECAUTION

Use of **BAYONET® 2** in this manner may result in a stand reduction; **generally slight stand reductions usually do not affect yield.**

BARLEY
Spring Seeded – Spring Application
Used as a Cover Crop or in the Acreage Conservation Reserve Program
Minnesota, North Dakota and South Dakota

Apply in the spring as a preplant incorporated treatment in spring seeded barley used as a cover crop or to acreage in the Conservation Reserve Program for control of foxtail/pigeongrass. Incorporate one time within 24 hours. Incorporate a second time before planting to destroy existing weeds and ensure uniform distribution of **BAYONET® 2** in treated soil. For best weed control results, the second incorporation should occur at least 7 days after the first.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
	5	7.5	7.5

Incorporation Instructions

See "Incorporation Instructions/Equipment" in "Small Grains" section above.

Seeding Directions

Seed should be planted approximately 2 inches deep.

USE PRECAUTION

Use of **BAYONET® 2** in this manner may result in a stand reduction; **generally slight stand reductions usually do not affect yield**. Follow the most severe grazing restrictions imposed by either the label for **BAYONET® 2** or the USDA Acreage Conservation Reserve Program. Consult the local ASCS office or other state agency to determine the period of the USDA grazing restriction.

DURUM
Spring Preplant Incorporated
North Dakota West of the Red River Valley and South Dakota

Apply **BAYONET® 2** in the spring as a preplant incorporated treatment for suppression of green and yellow foxtail (pigeongrass) in spring-seeded durum.

Application Rate

Apply at a broadcast rate of 4 pounds per acre for all soil types.

Incorporation Instructions

See instructions for chisel plow and field cultivator in the "Small Grains" section above.

Seeding Directions

Seed should be planted approximately 1.5 to 2 inches deep.

USE PRECAUTION

Use of **BAYONET® 2** in this manner may result in a stand reduction; **generally slight stand reductions usually do not affect yield**.

WHEAT AND DURUM
Spring Seeded – Fall Application
Foxtail (Pigeongrass) Control

Apply in the fall for foxtail (pigeongrass) control during the following growing season. Incorporate one time within 24 hours. Incorporate a second time before planting to destroy existing weeds and ensure a uniform distribution of **BAYONET® 2** in treated soil.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)	<u>Coarse</u>	<u>Medium</u>	<u>Fine</u>
	5	5	7.5

Incorporation Instructions

See "Incorporation Instructions/Equipment" in "Small Grains" section above.

Seeding Directions

Seed should be planted approximately 2 inches deep.

USE PRECAUTION

Use of **BAYONET® 2** in this manner may result in a stand reduction; **generally slight stand reductions usually do not affect yield**.

WINTER WHEAT Preplant Incorporated

Colorado, Idaho, Kansas, Nebraska, Oregon, Washington and Wyoming

Apply **BAYONET® 2** as a preplant incorporated treatment up to 3 weeks before planting to control labeled weeds including cheatgrass.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)	Coarse	Medium	Fine
	7.5	7.5	10

Incorporation Instructions

BAYONET® 2 should be shallowly incorporated with a flexible tine-tooth harrow set to cut 1 to 2 inches deep and operated at 3 to 6 mph. Two incorporation operations are required, the first within 24 hours after application and the second at least 5 days after the first. The second incorporation should be at a different direction to the first and prior to planting. **NOTE:** Do not work the soil with a disc between **BAYONET® 2** incorporation with a flexible tine harrow and harvest of crop for which application is being made.

Seeding Instructions

Drill with deep furrow or semi-deep furrow equipment which places seed below soil zones into which **BAYONET® 2** has been incorporated.

USE PRECAUTION

Do not plant wheat directly into the zone of soil treated with **BAYONET® 2** as crop injury may occur. Delayed emergence or slight stand loss do not usually affect yield.

WINTER WHEAT Fallow Soil Application

Colorado, Idaho, Kansas, Nebraska, Oregon, Washington and Wyoming

Apply and incorporate **BAYONET® 2** up to 4 months before planting to control labeled weeds including cheatgrass during the fallow period and during the following growing season. Apply any time from May to September prior to fall planting of winter wheat.

Broadcast Rate Per Acre

BAYONET® 2 (pounds)	Coarse	Medium	Fine
	7.5	7.5	10

Incorporation Instructions

BAYONET® 2 should be shallowly incorporated with a flexible tine-tooth harrow set to cut 1 to 2 inches deep and operated at 3 to 6 mph. Two incorporation operations are required, the first within 24 hours after application and the second at least 5 days after the first. The second incorporation should be at a different direction to the first and prior to planting. **NOTE:** Do not work the soil with a disc between **BAYONET® 2** incorporation with a flexible tine harrow and harvest of crop for which application is being made.

USE PRECAUTIONS AND SEEDLING INSTRUCTIONS

Do not plant wheat directly into the zone of soil treated with **BAYONET® 2** as crop injury may occur. Delayed emergence or slight stand loss do not usually affect yield. Drill with deep furrow or semi-deep furrow equipment which places seed below soil zones into which **BAYONET® 2** has been incorporated.

POT-IN-POT NURSERY PRODUCTION OF TREES AND SHRUBS

For the control of excess rooting between the socket pot and the growing pot, **BAYONET® 2** will reduce the rooting out from the growing container.

Apply **BAYONET® 2** in the socket pot before the growing pot is inserted at the rate corresponding to the container size. Use higher rates for aggressive rooting species.

Pot Size (Nursery Gallons)	Grams BAYONET® 2 /Pot	Teaspoons/Pot
5	1.0–1.5	1/2
7	1.0–2.0	3/4
10	1.5–3.0	1
15	1.6–3.2	1–1.5
20	2.4–4.8	1–2
25	3.0–5.8	2–3
30	3.3–6.5	3–4

CONDITIONS OF SALE – LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

Read the Conditions of Sale – Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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— NOTES —