33560-2

.

9/2/2003

NUMITED STATES

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

SEP 2 2003

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Vernell Stornes Pro-Serve, Inc. PO Box 161059 Memphis, TN 38186-1059

Dear Mr. Stornes:

Subject: First Aid Revisions per PR Notice 2001-1 Products: Pronone MG and Pronone 10G, Pronone Power Pellet Herbicide Registration Number: 33560-21, 33560-41 Your Submission Dated: 07/01/03

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended is acceptable, provided you make the following changes before you release the product for shipment.

1. 33560-21 (Pronone MG and Pronone 10G)

- On both labels, the NOTE TO PHÝSICIAN which reads, "Probable mucosal damage may contraindicate the use of gastric lavage," is only necessary for corrosive or Toxicity Category I Eye or Skin Irritants. Please remove this statement from the label.
- On both labels, the order of the First Aid statements and the order of the Hazards to Humans and Domestic Animals statements should correspond, with the most severe routes of exposure listed first. The HAZARDS TO HUMANS AND DOMESTIC ANIMALS section should be changed to, "Causes moderate eye irritation. Do not get in eyes or on skin or clothing. Harmful if adsorbed through skin or swallowed. Wash thoroughly with soap and water after handling."
- On both labels in the STORAGE AND DISPOSAL section, add specific information pertaining to the storage of this pesticide under the Storage subheading.
- On both labels, in the AGRICULTURAL USE REQUIREMENTS section, change "Waterproof gloves" to "Chemical resistant gloves made of any waterproof material."
- On the Pronone 10G label, place a box around the PPE section (as on the Pronone MG label).

2. 33560-41 (Pronone Power Pellet Herbicide)

- The order of the First Aid statements and the order of the Hazards to Humans and Domestic Animals statements should correspond, with the most severe routes of exposure listed first. The HAZARDS TO HUMANS AND DOMESTIC ANIMALS section should be changed to "Corrosive. Causes irreversible eye damage. Wear protective eyewear (goggles, face shield, or safety glasses. Do not get in eyes or on clothing. Harmful if swallowed. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse."
- In the SPECIES CONTROLLED section, the Wild Plum listing is not in the proper column. Please align the wild plum listing so it appears in the third column as it should.
- In the PPE section, "Waterproof gloves" should be changed to "Chemical resistant gloves made of any waterproof material."

Submit three (3) copies of final printed labeling incorporating the above changes before you release these products for shipment. Amended labeling will supercede all previously accepted labels. Stamped copies of labeling are enclosed for your records.

Sincerely,

Joanne & Miller

Joanne Miller Product Manager, Team 23 Herbicide Branch Registration Division

Enclosure

PRONONE® MG

Granular Herbicide	
Active Ingredient	By Weight
Hexazinone	
3-cyclohexyl-6-(dimethylamino) -1-me	ethyl
-1,3,5-triazine-2,4(1H,3H)-dione	
Inert Ingredients	

TOTAL

.....<u>80%</u> 100%

50 pounds net weight EPA Reg. No. 33560-21 EPA Est. No. 33560-TN-1

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lens, if present, after first five minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

(F ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or a doctor for treatment advice.

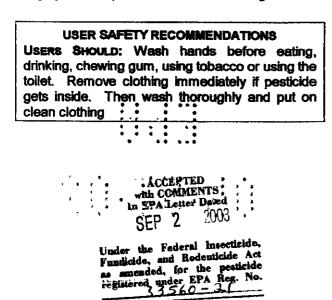
IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container with you when calling a poison control center of doctor or going for treatment.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.



PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear: Long-sleeved shirt and long pants. Shoes plus socks. Protective eyewear.

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

ENVIRONMENTAL HAZARDS

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 contaminate water when disposing of equipment washwaters.

The active ingredient, hexazinone, in this product is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

GENERAL INFORMATION

PRONONE MG Granular Herbicide is a special granular product to be distributed in a broadcast pattern on the soil surface, or applied by hand to individual plant stems, in noncropland areas for control of undesirable woody and herbaceous plants. Rainfall dissolves the chemical (hexazinone) from the granules and moves the herbicide into the root zone where it is absorbed during periods of active plant growth.

Symptoms of herbicidal activity generally appear within 3 to 4 weeks for herbaceous plants and 4 to 8 weeks for woody plants, after sufficient rainfall has carried the herbicide into the root zone. Defoliation and subsequent refoliation may occur, but susceptible plants are killed.

Thoroughly clean all traces of PRONONE MG Granular Herbicide from application equipment immediately after use.

APPLICATION INFORMATION

Apply the granules by appropriate ground or aerial equipment. Calibrate the equipment to distribute the granules uniformly over the area to be treated. Apply before or during the period of active growth, when rainfall can be expected to activate the chemical in the soil. Do not apply to frozen soil, or to water saturated soils when rainfall is expected within 24 hours. Distribution across treatment swath must be uniform.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Pro-Serve's PRONONE MG should be used only in accordance with recommendations on this label.

Pro-Serve, Inc. will not be responsible for losses or damages resulting from the use of this product in any manner not specifically recommended by Pro-Serve, Inc. User assumes all risk associated with such nonrecommended use. The correct use rates for use site and geographical area, specified on the label and application directions must be followed to minimize potential for hexazinone movement into ground water. Consult with your state pesticide lead agency for information regarding soil permeability, aquifer vulnerability, and best management practices for your area.

AGRICULTURAL USE REQUIREMENTS

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

Do not 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.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

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

Coveralls Waterproof gloves Shoes plus socks Protective evewear

FORESTRY EAST OF THE ROCKY MOUNTAINS

SITE PREPARATION AND CONIFER RELEASE

PRONONE MG is recommended for site preparation and conifer release in areas of greater than 20 inches of annual rainfall east of the Rocky Mountains where the following species of pine are grown:

Lobiolly Pine	Shortleaf Pine
Longleaf Pine	Slash Pine
Virginia Pine	Red Pine
White Spruce (site	prép. ohly)

APPLICATION TIMING

For best results, apply in spring when weeds and woody plants (brush) are actively growing, after the danger of a killing frost has passed (for target species) and when sufficient ranfall is expected.

5. 87

USE RATES

Dosages to be used for use sites on this label are given in Table 1 below. Where a range of dosage is given, use the

high dosage for control of plants that are listed as being only partially controlled, or when long term weed control and woody plant (brush) control is desired.

Table 1. Pounds of PRONONE MG per acre for control of listed herbaceous weeds and woody plants (brush) for listed use sites.

Soil Texture	Herbaceous Weed Control		Woody Plant (Brush) Control	
	New Plantation	Estab. Plantation	Estab. Plantation	Site Prep
COARSE Sand, Loamy Sand, Sandy Loam,	5-7.5	7.5-10	8-15	10-30
Loam, Sandy Clay, Siltioam	10	10-12.5	15-22	-25-30
FINE Clay Loam, Sandy Clay Silt Clay Loam	10	10-12.5	25-30	30-40
Silt, Silt Clay, Clay	10-12.5	12.5-15	25-30	30-40

PLANTS CONTROLLED

HERBACEOUS PLANTS

Annual Bluegrass Fleabane Asters Foxtail Goldenrod* Barnyardgrass Heath Aster* **Bentgrass** Bromegrass Horseweed* Orchardgrass* Canada Thistle* Catsear (false dandelion)* Oxeye Daisy Pennsylvania Smartweed* Common Groundsel Craborass* Quackgrass* Curly Dock* Ryegrass* Dandelion* Squawcarpet Elksedge Velvetgrass Fescue* Wild Carrot Fireweed (willowweed)*

*Partial control; use higher rates of the range for soil textures indicated above.

WOODY PLANTS (BRUSH)

American Elder	Hornbeam
Ashes (white, green)	Mulberry
Aspen (big tooth, trembling)	Multifiora Rose
Balsam Poplar	Norway Maple**
Birch	Post Oak
Black Cherry	Raspberry
Blackgum	Red Maple*
Boxelder*	Red Oak
Blackberry	Russian olive
Cherry*	Sourwood
Choke berry	Southern Oak
Dewberry	Sumac
Eastern Red Cedar	Sweetgum

Elm	Turkey Oak
Flowering Dogberry*	Water Oak
Hawthorne	White Oak
Hazel	Wild Plum
Hickory*	Willow
Honeysuckle	Whitehorn

*Partial control: use higher rates of the range for soil textures indicated above.

**Controlled using individual stem application.

USE PRECAUTIONS

- 1. Do not apply to seedbeds or ornamental conifer plantings.
- Do not use on pine stands that show poor vigor because of insects, disease, or winter injury, or show symptoms of other stress conditions or if heavy rains occur soon after application as injury may occur.
- 3. Do not use on poorly drained soils.
- 4. Do not graze dornestic animals on treated area within 30 days after treatment.

HERBACEOUS WEED CONTROL

Do not use on sites where 10% conifer mortality cannot be tolerated. Usually some mortality of young conifers can be expected with this treatment.

Do not use rates in excess of those specified for soil texture.

Do not use on Jack Pine, as it is not tolerant to PRONONE MG.

Do not use on gravelly or rocky soits, exposed subsoil's, clay knobs, sand or sandy soil with 85% or more sand. Do not use on any soil containing less than 1% organic matter; do not use on loamy sand with less than 2% organic matter.

First Year Application: Do not apply to transplant stock less than 2 years old (2-0) or Lobiolly Pine less than 1 year old (1-0). Allow at least two months after transplanting before applying PRONONE MG, and then apply only if rainfall has settled the soil around the base of the transplant. Do not use on areas planted with containerized stock or areas which have been ripped or similarly treated. Treatment may be made pre or post planting.

WOODY PLANT (BRUSH) CONTROL

Do not apply PRONONE MG to young conifers that are under stress. Established conifer saplings (5 years or more) are usually not injured at recommended rates, while herbaceous weeds and competing susceptible brush are controlled or suppressed.

SITE PREPARATION

Do not burn until residual stend has completely defoliated at least twice, allowing for sufficient root uptake of PRONONE MG, usually 60-90 days after rainfall.

WEST OF THE ROCKY MOUNTAINS

SITE PREPARATION AND CONIFER RELEASE

PRONONE MG is recommended for site preparation and

conifer release where the following species are grown:

Douglas Fir	Ponderosa Pine
Grand Fir	Jeffrey Pine
Noble Fir	Sitka Spruce
White Fir	·

APPLICATION TIMING

West of Cascades (and other areas of high spring rainfall) For best results, apply in spring when weeds and brush are actively growing.

East of Cascades (and other areas of low spring rainfall) For best results, apply in the fall before soil freezes or in the spring in anticipation of rainfall. Weed (brush) control from spring applications will be dependent upon sufficient rainfall following treatment to activate PRONONE MG. Spring applications should be made after snow cover melts.

USE RATE

Dosages to be used for use sites on this label are given in Table 2 below. Where a range of dosage is given use the high dosage for control of plants that are listed as being only partially controlled, or when long term weed and woody plant (brush) control is desired.

Table 2. Pounds of PRONONE MG per acre for control of listed herbaceous weeds and woody plants (brush) for listed use sites.

Soil	Herbac		Woody Plant	
Texture	Weed C		(brush) Contro!**	
	Pre	Post	Site Preparation &	
	Plant	Plant	Conifer Release	
COARSE Sand, Loamy Sand, Sandy Loam, Loam, Sandy Clay Siltioam	10	- 15 t bs.*	15 - 22 lbs.	
Fine Clay Loam, Sandy Clay, Silt Clay Loam Silt, Silt Clay, Clay	15	- 20 ibs.*	22 - 30 lbs.	

*For band applications, use proportionately less. For example, use half the broadcast rate when treating a 3 foot band where row spacing is 6 feet.

** Where either Ponderosa Pine or Jeffrey Pine is the primary coniferous species.

On first year plantations, apply PRONONE MG (either preplant or post-plant) to transplant stock that is 2 years old (2-0) or more, (1 year old (1-0) for Ponderosa and Jeffrey Pine).

When applying PRONONE MG after transplanting, wait until rainfall has settled the soil around the base of the transplants before making the treatment.

For herbaceous weed control, moisture is necessary to activate PRONONE MG. Best results are obtained when weeds are less than 2 inches in height or diameter, soil is moist at time of application and half to one inch of rainfall occurs within 2 weeks after application.

For best results for woody plant (brush) control, application should be made to brush seedlings or sprouts when less than 18 inches in height or diameter. Applications may be made in the fall before the soil freezes or in the spring. Fall applications generally provide better results.

Because the effect of PRONONE MG on conifers varies with soils, uniformity of application and environmental conditions, it is suggested that foresters limit their first use to small areas.

PLANTS CONTROLLED

HERBACEOUS PLANTS

Annual Bluegrass	Fleabane
Asters	Foxtail
Barnyardgrass	Goldenrod*
Bentgrass	Heath Aster*
Bromegrass	Horseweed*
Canada Thistle*	Orchardgrass*
Catsear (false dandeli	on)* Oxeye Daisy
Common Groundsel	Pennsylvania Smartweed*
Crabgrass*	Quackgrass*
Curly Dock*	Ryegrass*
Dandelion*	Fireweed (Willowweed)*
Elksedge	Velvetgrass
Fescue*	Wild Carrot
*Partial control; use indicated above.	higher rates for soil textures

WOODY PLANT (BRUSH)

Squawcarpet	Snowbrush (Vamishleaf
Deerbrush Ceonothus	Ceonothus)
Greenleaf Manzanita	-

USE PRECAUTIONS

- 1. Do not use on gravelly or rocky soils, exposed subsoils, clay knobs, sand or sandy soil with 85% or more sand.
- 2. Do not use on any soil containing less than 1% organic matter.
- Do not use on loamy sand with less than 2% organic matter (except on Ponderosa and Jeffrey Pine). On soils high in organic matter (greater than 5%) effectiveness of PRONONE MG is reduced and results can be unsatisfactory.
- 4. Do not graze domestic enimials on treated area within 30 days after treatment

BRUSH CONTROL FARSFLAND/ PASTURE

PRONONE MG is recommended for the control of undesirable woody plants in rangeland.

APPLICATION TIMING

Apply PRONONE MG from late winter through summer, pre-bud break until new growth hardens off.

In areas where the soil remains frozen during the winter and spring rains are usually inadequate for soil activation, a fall or winter treatment may be applied before the soil freezes.

WOODY PLANTS CONTROLLED

PRONONE MG is recommended for the control or suppression of the following species:

Alder	Lotebush
American Elm	Manzanita
Ash	Mesquite
Aspen	Mulberry
Balsam Poplar	Multiflora Rose
Birch	Myrtle Oaks
Black Cherry	Osage Orange
Blackgum	Persimmon
Catclaw Acacia	Privet
Cedar	Red Maple
Chinaberry	Sassafras*
Chinese Elm	Small Soapweed
Chinese Tallow	Snowbrush
Deerbrush	Sourwood
Dogwood	Sumac
Hackberry	Sweet Bay
Hawthome	Sweetgum
Hazel	Whitebrush
Hickory	Whitehorn
Huisache	Wild Plum
Juniper	Willow
Locust	Yellow Poplar
*Partial control	

USE RATES

Where a range of dosage is given, use the high dosage for control of plants that are listed being only partially controlled, or where long term control is desired.

Soil Texture	Pounds per Acre
COARSE	

Sandy, Loamy Sand, Sandy Loam,	8-15
Loam, Sandy Clay, Siltioam	15-22
FINE	
Clay Loam, Sandy Clay,	
Silt, Clay Loam	25-30
Silt, Silt Clay, Clay	25-30

USE PRECAUTIONS / RANGELAND / PASTURE

- Injury to or loss of desirable trees or other plants may result if PRONONE MG is applied, or if equipment is drained or flushed on or near desirable trees or other plants, on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.
- 2. Poor weed and brush control may result from the following:
 - Use on poorly drained sites
 - Applications made when the soil is saturated with water and rain is imminent within 24 hours
 - Applications to soils high in organic matter, (greater than 5%)
- 3. Following mechanical cutting or clearing, allow stumps and injured trees sufficient time (one year's growth) to adequately resprout before applying PRONONE MG
- 4. Do not use PRONONE MG on frozen soils
- 5. Weed and brush control results depend on sufficient moisture to activate PRONONE MG

The area being treated must be vacated by unprotected persons.

APPLICATION INFORMATION

PRONONE MG is recommended for general weed and brush control in noncrop sites such as railroads; highway, utility and pipeline right-of-ways; petroleum tank farms; storage areas; industrial plant sites and other similar areas.

WEED CONTROL

APPLICATION TIMING

Apply PRONONE MG as pre-emergence or postemergence when weeds are actively germinating or growing.

WEEDS CONTROLLED - USE RATES

PRONONE MG effectively controls the following weeds when applied at the use rates shown. When applied at lower rates, PRONONE MG provides short-term control of the weeds listed; when applied at higher rates, weed control is increased and extended. For small areas, 1 pound of PRONONE MG per 500 square feet is approximately 87 lbs. per acre.

Use the higher level of the recommended dosage ranges under the following conditions: on fine textured soils (clay, clay loam); on soils containing more than 5% organic matter or carbon; and, on coarse-textured soils (sand, loamy sand, gravely soils) where rainfall exceeds 40 inches per year. Use the lower levels of the dosage range if the growing season is short.

NON-AGRICULTURAL USES.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses. Industrial and Mon-Cropland weed and brush control applications as described on this label for PRONONE MG are not within the scope of the Worker Protection Standard.

30-50 lbs./Acre

00-00 IN327-010	
Barnyard Grass	Lespedeza
Bindweed	Milkweed
Bouncing Bet	Mustard
Bromegrass	Nutsedge
Buffalograss	Orchardgrass
Burdock	Öxalis
Cocklebur	Paragrass
Crabgrass	Pigweed
Crown Vetch	Purselane
Curiy Dock	Quickgrass
Dandelion	Ryegrass
Dogbane	Smartweed
Fiddleneck (tarweed)	Spurge

Filaree Fleabane Goatsbeard Vine Goldenrod

60-120 lbs/Acre

Bahigrass Bermuda grass Bluegrass Broomsedge Camphorweed Canada Thistle Chickweed Clovers Dewberry Dogfennel Fescue Fingergrass Foxtail Guineagrass Trumpet Creeper Wild Oats Wild Parsnip Wild Star Thistle

Heath Aster Honeysuckle Lantana Marestail Natalgrass Plantain Prickly Lettuce Ragweed Smutgrass Spanish Needle Vaseygrass Wild Blackberry Wild Carrot

WOODY PLANT (BRUSH) CONTROL

APPLICATION TIMING

Apply PRONONE MG from late winter through summer, prebud break until new growth hardens off.

In areas where the soil remains frozen during the winter and spring rains are usually inadequate for soil activation, a fall or winter application may be applied before the soil freezes. Deerbrush Dogwood Eastern Red Cedar* Hackberry Hawthorne Hazel Hickory Hulsache Juniper Locust Lotebush Snowbrush Sourwood Sumac Sweet Bay Sweet Gum Whitebrush Whitehorn Wild Plum Willow Yellow Poplar

*partial control

INDIVIDUAL STEM TREATMENT

When individual stem control is desired, apply at a rate of 1/3 oz. for each 1" of stem diameter at breast height. Direct the application to the soil within 3 feet of root collar of woody plants to be controlled. When applying to large stems, application should be distributed on opposite sides of the stem.

USE PRECAUTIONS

- Do not apply or empty equipment near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.
- Do not use on lawns, walks, driveways, tennis courts or similar areas.
- 3. Do not use on poorly drained sites.
- 4. Do not apply PRONONE MG when soil is saturated with water and rain is imminent within 24 hours.
- Do not apply PRONONE MG immediately following mechanical cutting or clearing. Allow stems and injured trees sufficient time to adequately resprout before applying PRONONE MG.
- 6. Do not use PRONONE MG on frozen soils.

WOODY PLANT CONTROLLED - USE RATES

40-50 lbs./Acre (Brush Control)

Alder	* * * * * *	Manzanita	
American Elm		Mesquite	
Ash		Mulberry	
Aspen	 c p e s à 	Multiflora Rose	
Balsam Poplar		Myrtle	
Birch ·	.	Oaks	
Black Cherry		Csage Orange	
Catclaw Acacia		Privet	
Chinaberry*	Red Maple		
Chinese Elm	Sassafras*		
Chinese Tallow	Small Soapweed		

STORAGE AND DISPOSAL

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

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

CONTAINER DISPOSAL: Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then, 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.

NOTICE TO BUYER: Purchase of this material does not confer any rights under patents of countries outside of the United States.

NOTICE OF WARRANTY

Pro-Serve, Inc. warrants that this product conforms to the

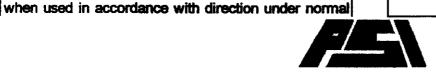
chemical description on the label thereof and is

reasonably fit for purposes stated on such label only

use conditions. It is impossible to eliminate risk inherently associated with use of this product.

91g

Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of Pro-Serve, Inc. In no case shall Pro-Serve, Inc. be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by buyer. Pro-Serve, Inc. MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.



PRO-SERVE, INC.

400 East Brooks Road-Memphis, TN 38109-901-332-7052