

ACCEPTED

Jan 17, 1973

FOR ECONOMIC POLICY
ED UNDER NO. 148-1115



NPA-3

A SELECTIVE HERBICIDE FOR THE CONTROL OF ANNUAL GRASSES AND BROADLEAF WEEDS

ACTIVE INGREDIENT:	Sodium salt of N-1-naphthylphthalamic acid**	23.7%
INERT INGREDIENTS		76.3%
		100%

**Equivalent to 20% N-1-naphthylphthalamic acid

DOSEAGE—EMERGENCE—BAND BASIS

(PRE-EMERGENCE)

Use This Amount of NPA-3 for

Crops	Sandy Soils (Low Organic Content)	Intermediate Soils	Silt or Clay Soils (High Organic Content) ¹	In This Amount of Water
Nursery Stock	8 quarts	12 quarts	16 quarts	20-40 gal.
Cucurbits (Cantaloupe, Muskmelon, Cucumber, Watermelon)	6-8 quarts	6-8 quarts	12 quarts	20-40 gal.
Soybeans, Peanuts	4 quarts	8 quarts	12 quarts	20-40 gal.

¹May also be used Post-emergence in areas outside the Western irrigated areas. Reduce dosage in silt or clay soils to 8 quarts.

RECOMMENDED DOSAGES FOR SOYBEANS (BAND BASIS)¹ IF THE DISTANCE BETWEEN THE ROW IS:

	20 inches	32 inches	36-38 inches	40 inches
Use this amount of NPA-3 to spray a 12-inch band.	7 pints	6 pints	5½ pints	5 pints

¹In the black soil areas of western Indiana, southern Minn., northern Iowa and Illinois, dosage of NPA-3 should be increased by 2 pints for 40 inch rows, 2½ pints for 36-38 inch rows, 3 pints for 32 inch rows and 4 pints for 28 inch rows.

Soil conditions are important in the performance of any pre-emergence herbicide.

KEEP FROM FREEZING! (See Item No. 8 below.)

SHAKE WELL BEFORE USING!

1. NPA-3 works best in moist soils. If irrigation is used, best results are obtained when water is applied before spraying NPA-3. NPA-3 can also be activated after application to a dry soil by a limited irrigation.
2. **VINE CROPS.**
 - (a) Do not use NPA-3 on vine crops of any kind when growing conditions are very adverse; namely, in early spring when weather is cold and wet. Under such conditions, NPA-3 may cause stunting.
 - (b) Do not apply POST-emergence to vine crops when temperature is 100°F. or above.
 - (c) Do not apply NPA-3 POST-emergence to cucumber, cantaloupe, muskmelon and watermelon until plants are ready to vine.
 - (d) Do not use NPA-3 as a POST-emergence spray on squash or pumpkin. Not to be used POST-emergence on western irrigated vine crops.
3. **NURSERY.**

Avoid application to foliage of nursery plantings; do not use on herbaceous (non-woody) plants.
4. Thoroughly rinse spray tank, hose and nozzle with water after application. Use NPA-3 in metal tanks. NPA-3 is difficult to remove from wood tanks. NPA-3 can be removed from metal tanks by thoroughly washing with ammonia water and rinsing several times with water containing a good detergent.

5. Avoid application to emerged SOYBEANS.
6. Avoid spray drift on areas planted to such sensitive crops as beets, tomatoes, and spinach.
7. Do not store near seed or fertilizer.
8. NPA-3 is normally a liquid, but it may crystallize in the cold (32°F.). Gentle warming (73-125°F.) will redissolve any crystals. Mild agitation; e.g., rolling, shaking, or stirring, before use is recommended.

GENERAL INSTRUCTIONS

1. **Preparation of soil**

Area to be treated must be free of all weeds at time of application. NPA-3 usually will not control established grasses and weeds.

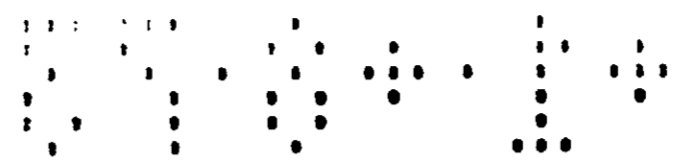
To insure maximum weed and grass control, it is important to have a relatively smooth soil surface. If the area has been plowed, the soil clods should be broken up. The soil should not be disturbed after treatment unless later weed growth makes cultivation necessary. If weather factors make replanting necessary after NPA-3 has been applied, the following alternative procedures are suggested:

 - (a) Replant in the original band with as little soil disturbance as possible; or
 - (b) Thoroughly disk the area and replant. Reapplication of NPA-3 can then be made.
2. **Method of Application**
 - (a) Thorough and uniform coverage of soil surface is absolutely essential.
 - (b) Always apply NPA-3 immediately or within 48 hours after planting.
 - (c) Rotary hoe may be used to destroy small weeds without impairing herbicide activity if dry weather follows NPA-3 treatment.

EPA Reg. No. 148-1115



KANSAS CITY, KANSAS 66110



GENERAL APPLICATIONS

Use NPA-3 as a pre-emergence spray immediately after seeding. See dosage chart for rates to use on various soil types. Do not use NPA-3 after peanuts and soybeans have emerged. Do not apply NPA-3 to soil where soybean seeds are exposed or shallow planted (less than 1-inch deep). Do not graze or feed forage to livestock prior to crop maturity.

CUCURBITS

Apply NPA-3 as a PRE-emergence spray after seeding. Approximately one month after planting—or when crop is just starting to rise, but before weeds have come through the ground, apply a PRE-emergence spray (except for western irrigated areas). NPA-3 can be used as a POST-emergence spray immediately after transplanting cucumber, cantaloupe, watermelon, and muskmelon. See *** under Cucurbits (Pre-emergence).

NURSERY STOCK

- A. For Established Weedy Plants (e.g., elm, arbutus, juniper, pine, spruce, maple, cedar, cottonwood, alder, thorn, pines, birch, privet, philadelphus, azalea, holly, rhododendron, juniper):
1. Apply NPA-3 on a broadcast basis or as a band spray centering on the row. Additional applications may be made as required.
 2. Direct spray so as to strike the nursery stock about 2-3 inches or less above the ground.
- B. For Small Weedy Transplants (2 methods suggested):
1. Apply NPA-3 prior to transplanting. Care should be taken not to disturb much of the treated area.
 2. Apply NPA-3 as a directed spray after transplanting.

NPA-3

A selective herbicide for control of the following weeds and grasses in soybeans, cucurbits, and nursery plantings.

Broadleaf Weeds—Chickweed, lambsquarter, rag-weed, purslane, velvet leaf, cocklebur, bindweed, ground cherry, mustards, shepherd's purse, pigweed, quackweed, and carpetweed.

Annual Grasses—Festool, crabgrass, barnyard grass, goosegrass, stinkgrass, sandbur, watergrass, sprangale top, windmill grass, cup grass, and Johnson grass (from seed).

DIRECTIONS FOR USE BEFORE USE READ CAUTION AND NOTICE STATEMENTS CAREFULLY

Put one-half the recommended amount of water in the spray tank; add the required amount of NPA-3; then add the remainder of water to the tank while mixing. Stir to use bypass agitation until completely mixed. NPA-3 is completely soluble in water. A line strainer should be placed between the spray tank and the pump. Each nozzle should be equipped with a 50 mesh screen. Calibration of herbicide sprayers is essential, since a successful chemical weed control program requires that known and correct amounts of herbicides be applied.

Do not reuse container. Destroy when empty.

NOTICE: Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.