

Joint Exhibit 48

Request for AMVAC:

The blanks in the following table reflect information that is not readily discernable from the DCPA product labels. Please clearly and completely supply this information.

See AMVAC Comments in BLUE --

Use Site	Single Max Application Rate ^{(1) (6)} (lb a.i./ac)	Max Application Rate per Year ⁽²⁾ (lb a.i./A)	Min Application Retreatment Interval ⁽³⁾ (days)	Max # of Applications Per Year (or Crop Cycle) ⁽⁴⁾	Formulation ⁽⁵⁾	App. Timing, Method, Type
Residential/ Recreational/ Institutional/Retail (Outdoor) – SEE FOOTNOTES for TURF						
Grass/Turf	15				FIC -Flowable Concentrate, WP – Wettable Powder	Pre-emergence, Aerial/Ground, Broadcast
	12		42	2 / year		
Grass/ Turf: golf course						
Agricultural (Outdoor)						
Arrowroot, Chayote, Turmeric, Manioc (Cassava)	10.5 lbs. a.i. (14 lbs. WP)	21 lbs. a.i. (28 lbs. WP)	14 days	2 / year*	WP – Wettable Powder (only)	After transplant, At transplant, Aerial/Ground, Broadcast, Banded
Sweet Potato, Taro	10.5 lbs. a.i. (14 pts. FIC) (14 lbs. WP)	21 lbs. a.i. (28 pts. FIC) (28 lbs. WP)	14 days	2 / year*		
Broccoli Raab, Cole Crops, Collards, Turnip (Greens), Turnip (Root), Mustard, Kale, Hanover salad,	10.5 lbs. a.i. (14 pts. FIC) (14 lbs. WP)	21 lbs. a.i. (28 pts. FIC) (28 lbs. WP)	14 days	2 / crop cycle**	FIC WP	At plant or seeding, Pre-plant, Aerial/Ground, Broadcast, Banded
Cabbage, Chinese Cabbage	10.5 lbs. a.i. (14 pts. FIC) (14 lbs. WP)	21 lbs. a.i. (28 pts. FIC) (28 lbs. WP)	14 days	2 / crop cycle**	FIC WP	
Cucurbit Vegetables	10.5 lbs. a.i. (14 pts. FIC) (14 lbs. WP)	21 lbs. a.i. (28 pts. FIC) (28 lbs. WP)	14 days	2 / crop cycle**	FIC WP	Post-emergence, Aerial/Ground, Broadcast, Banded
Eggplant, Tomato, Tomatillo,	10.5 lbs. a.i. (14 pts. FIC) (14 lbs. WP)	21 lbs. a.i. (28 pts. FIC) (28 lbs. WP)	14 days	2 / crop cycle**	FIC WP	After transplant, Post-emergence, Aerial/Ground, Broadcast, Banded
Pepino (Melon Pear), Groundcherry (Strawberry, Tomato, Tolatilillo)					WP	

Ginseng	10.5 lbs. a.i. (14 pts. FIC) (14 lbs. WP)	21 lbs. a.i. (28 pts. FIC) (28 lbs. WP)	14 days	2 / year*		Timing as needed, Ground, Broadcast
Melons, (Cantaloupe, Honeydew, Water)	10.5 lbs. a.i. (14 pts. FIC) (14 lbs. WP)	21 lbs. a.i. (28 pts. FIC) (28 lbs. WP)	14 days	2 / crop cycle**	FIC	Post-emergence, Aerial/Ground, Broadcast, Banded
Horseradish	10.5 lbs. a.i. (14 pts. FIC) (14 lbs. WP)	21 lbs. a.i. (28 pts. FIC) (28 lbs. WP)	14 days	2 / year*	FIC WP	At plant or seeding, Aerial/Ground, Broadcast, Banded
Radish	10.5 lbs. a.i. (14 pts. FIC) (14 lbs. WP)	21 lbs. a.i. (28 pts. FIC) (28 lbs. WP)	14 days	2 / crop cycle**		At plant or seeding, Post-emergence, Ground, Banded
Onion	10.5 lbs. a.i. (14 pts. FIC) (14 lbs. WP)	21 lbs. a.i. (28 pts. FIC) (28 lbs. WP)	14 days	2 / crop cycle**		At plant or seeding, Post planting, At transplant, Aerial/Ground, Broadcast, Banded
Strawberry	9 lbs. a.i. (12 pts. FIC) (12 lbs. WP)	18 lbs. a.i. (24 pts. FIC) (24 lbs. WP)	14 days	2 / year*		Pre-plant, At transplant, Post Planting, Aerial/Ground, Broadcast, Banded

- (1) Turf-- Single Maximum application rate (based upon target weed species):
 - a. Crabgrass: 10.5 lbs. a.i. (14 pts. FIC; 14 lbs. WP)
 - b. Annual Bluegrass: 15 lbs. a.i. (20 pts. FIC; 20 lbs. WP)
 - c. Creeping Speedwell: 12 lbs. a.i. (16 pts. FIC; 16 lbs. WP)
 - d. Spurge: 12 lbs. a.i. (16 pts. FIC; 16 lbs. WP)
- (2) Turf-- Maximum application rate per year or crop cycle (based upon target weed species):
 - a. Crabgrass: 15.75 lbs. a.i. (21 pts. FIC; 21 lbs. WP)
 - b. Annual Bluegrass: 25.5 lbs. a.i. (34 pts. FIC; 34 lbs. WP)
 - c. Creeping Speedwell: 24 lbs. a.i. (32 pts. FIC; 32 lbs. WP)
 - d. Spurge: 24 lbs. a.i. (32 pts. FIC; 32 lbs. WP)
- (3) Turf-- Minimum retreatment intervals (all formulations, based upon target weed species):
 - a. Crabgrass: 60 days
 - b. Annual Bluegrass: 60 days
 - c. Creeping Speedwell: 60 days
 - d. Spurge: 42 days
- (4) The Maximum number of applications to a crop per calendar year or crop cycle will vary depending upon the number of crops grown each year, weed pressures, and other agricultural practices. Dacthal is often applied at lower than maximum rates with repeat applications to follow. In some cases, it is recommended that the 10.5 lbs. rate be split into 2 smaller sequential applications (e.g., see attached 2ee recommendation for onions in GA and NC).
Regardless of how many applications made, the total amount of active ingredient never exceeds the annual maximum of 21 lbs./Acre (24 lbs./Acre for some weed species in Turf).
 - a. *Typical number of crops grown each year = 1
 - b. **Number of crops grown each year = 1 to 3
- (5) Commercial Formulations:
 - a. FIC = Dacthal Flowable (Reg. No. [5481-487](#))
 - b. WP = Dacthal W-75 (Reg. No. [5481-490](#)) and Dacthal W-75 Turf (Reg. No. [5481-491](#))

(6) Comments on rates used:

- a. Recommended rates for Dacthal applications vary depending upon soil type and weeds to be controlled (e.g., see excerpt below from 5481-487 label). Dacthal is often applied at lower than maximum labeled rates as many of the crops listed are grown on coarser soils, but it is important to maintain flexibility for growers to apply higher rates where needed to control weeds in finer soils high in organic matter.

Rates of Application and Weeds Controlled: DACTHAL FLOWABLE is recommended at rates of 6-14 pints/A depending on soil type and weeds to be controlled. The following table outlines general recommendations for the use of DACTHAL FLOWABLE on various soil types. The maximum rate for each soil type should be used when moderately susceptible weeds are present. Specific recommendations for each for each crop should be consulted. *DACTHAL FLOWABLE should not be applied to certain crops under conditions of cool, wet weather when plants are not actively growing.* Refer to specific label recommendations for seeded melons, tomatoes, onions and eggplants for further details.

Soil Type	Organic Matter %	Broadcast Rate of DACTHAL FLOWABLE/A
Light-sand or sandy loam	0-3	6-8 pints
Medium-silt loam	0-3	8-10 pints
Heavy-clay loam	0-3	10-14 pints
Heavy-silt loam	3-5	12-14 pints