111601
SHAUGHNESSEY NO.

REVIEW NO.

EEB REVIEW

DATE: IN 7-24-85 OUT AUG 14 1985

FILE OR REG. NO WA 850023

DATE OF SUBMISSION 7-10-85

DATE RECEIVED BY HED 7-23-85

RD REQUESTED COMPLETION DATE 8-23-85

EEB ESTIMATED COMPLETION DATE 8-16-85

RD ACTION CODE/TYPE OF REVIEW 585/Special Local Need (24c)

TYPE PRODUCT(S) : I, D, H, F, N, R, S Herbicide

PRODUCT MANAGER NO. Mountfort (23)

PRODUCT NAME(S) Oxyfluorfen (Goal)

COMPANY NAME State of Washington

SUBMISSION PURPOSE SLN 24c

SHAUGHNESSEY NO.	CHEMICAL, & FORMULATION	% A.I.
111601	Oxyfluorfen	

(1)

EEB REVIEW
24C SLN

100 Submission Purpose and Label Information

100.1 Submission Purpose and Pesticide Use

Washington State request a SLN for Goal as an Herbicide.

100.2 Formulation Information

Goal 1.6E is 19.4 % Oxyfluorfen

100.3 Application Methods, Directions, Rates

Apply 5 to 10 pints (1-2 lbs a.i.) per broadcast acre for preemergence and postemergence weed control. Multiple applications are permitted but the label restricts total treament to 2 lbs. a.i. per acre per season. Use of ground spray equipment is required by general Goal 1.6E label.

100.4 Specific Use Sites

Use site is Dormant Cottonwood plantings in Washington State. Maximum acreage would be about 100 acres in the lower Columbia River area. This is based on a July 9, 1985 letter from Dwight Peabody to Ted Maxwell of USDA, Olympia, WA.

100.5 Target

Broadleaf weeds

100.6 Precautionary Labeling

Environmental Hazards:
"Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

"This product is toxic to aquatic invertebrates, aquatic plants, wildlife and fish. Use with care when applying in areas frequented by wildlife or adjacent to any body of water or wetlands area. Do not apply when weather conditions favor drift or erosion from target areas."

2

101 Hazard Assessment

101.1 Discussion

This hazard assessment is to address the state registration of Goal 1.6E in Washington (state). Goal would be applied to approximately 100 acres of cottonwood plantations in the lower Columbia River basin. Rate of application is 2 lbs a.i. per acre. Ground application is assumed.

See review dated 1/22/85 for summary of toxicity data and fate data. See also the chemical profile.

101.2 Likelihood of Adverse Effects to Non-Target Organisms

The extent of exposure would be low due to the small area to be treated. Because of this, the use of goal on 100 acres of cottonwood plantation in Washington should have minimal effects on nontarget organisms.

101.3 Endangered Species Considerations

There are no aquatic endangered species in Washington. Oxyfluorfen is practically non toxic to mammals. The endangered bird species, the bald eagle, peregrine falcon and California brown pelican either would not be exposed because of feeding habits or because they do not occur in the area of treatment. This SLN 24c should have no effect on endangered species.

101.4 Adequacy of Toxicity Data

The data were adequate to perform this hazard assessment.

101.5 Adequacy of Labeling

The labeling is adequate.

5

103 Conclusion

EEB has completed a risk assessment of the proposed SLN 24c for use of oxyfluorfen on cottonwood plantations in the state of Washington. Based on available data such use should have minimal effects to nontarget organisms.

Daniel Rieder 8/14/85
Daniel Rieder, Wildlife Biologist
Ecological Effects Branch
Hazard Evaluation Division (TS-769)

Norman Cook 8.14.85
Norman Cook, Section Head
Ecological Effects Branch
Hazard Evaluation Division (TS-769)

M. D. Slimak 8/19/85
Michael Slimak, Chief
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C. Alan Pettibor
Director

STATE OF WASHINGTON
DEPARTMENT OF AGRICULTURE
406 General Administration Bldg., AX-41 • Olympia, Washington 98504 • (206) 753-5063

July 10, 1985

Richard Mountfort
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (TS-767)
U.S. Environmental Protection Agency
Washington, D. C. 20460

Dear Mr. Mountfort:

Attached is a letter from Dwight Peabody, Associate Agronomist Emeritus, Washington State University, in which he has answered the questions put forth by you regarding EPA SLN No. WA 85003.

If you have further questions please let me know.

Sincerely,

Ted Maxwell

Ted Maxwell
Assistant Chief, Registration

TM/lm

enclosure

5

Washington
State University

Northwestern Washington Research Unit, 1468 Memorial Highway, Mount Vernon, Washington 98273-9788 / 206-424-6121

July 9, 1985

Ted Maxwell
USDA
406 B.A. Bldg. AX-41
Olympia, WA 98504

Dear Ted:

This letter is in response to your memo which included that letter of inquiry from EPA regarding the 24(c) registration for 'Goal' on cottonwood. I have discussed the points brought up in this letter from EPA with Andy Bryant, who has a large share of the responsibility in developing selective weed control methods in cottonwood for Crown Zellerbach. Between us, we have come up with the following responses to the points brought up in that letter from EPA.

1. The geographical area in Washington State where cottonwood may be grown for fiber production would be in the lower Columbia River area. To the best of my knowledge, I believe there are only 25 acres or so planted in cottonwood on the Washington side of the Columbia River, as of this date. (There are many more acres of cottonwood plantings that are in and growing on the Oregon side of the Columbia River in this same general area).

2. & 3.
There may be other specific locations in Washington state outside of the lower Columbia River area, but I don't know where they are exactly. In any event, I am sure the acreage would be less than 100.

In summary, and obviously, most of the acreage now planted in cottonwood for fiber production is in Oregon and Washington. The chief perpetrator of this acreage is Crown Zellerbach. We are looking at acreage that obviously will be planted in the future and, when it is planted, we want an approved herbicide for weed control and that means 'Goal'.

I hope that these comments are helpful. If you think I can be of further service, please don't hesitate to call or write.

Sincerely,

Dwight V. Peabody

Dwight V. Peabody
Associate Agronomist Emeritus

DVP/ls

CC: Andrew Bryant

6