

US EPA ARCHIVE DOCUMENT

To: MR Robert Taylor PM #25

Registration No(s): 1471-96/-112

Pesticide Petition No(s): 2F2717

Chemical(s): Oryzalin (Surflan)

Requested Action(s): 0.1 ppm Oryzalin in or on potatoes

Recommendation: Toxicology data support the requested tolerance

Inert(s) cleared 180.1001: Yes

% of ADI occupied: Existing: 1.61% Resulting: 3.06%

Resulting % increase in TMRC: 1.45%

Data considered in setting the ADI: 90 Day Feeding (rat/dog) NOEL 750ppm; 3-Gen Repro (rat) NOEL 250ppm; Teratology (rat) NOEL 2250 ppm (HDT); Teratology (rabbit) NOEL 125mg/kg (HDT); Chemist Feeds/Gen (mouse) NOEL 500 ppm NOT ORGANIC AT 3650 ppm (HDT).

Attached (?): ADI printout: YES/NO; TOX "one-liner": YES/NO; DER: YES/NO

Existing regulatory actions against registration: None

RPAR status: None

New Data: None

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Data gaps: Dominant lethal (rat)

Comments: RCB memo 7/21/82 (EPA Reg #1471-100) and 6/19/80 (PP#OG-2291), L. Probst stated NDR at 0.01 ppm (method sensitivity) and no expectation of residues in meat, milk, poultry or eggs from the intended use on potatoes.

SEP 1 1982

Reviewer: Robert B. Jager 8/16/82

Date: 9/1/82

Section Head: [Signature] 8/16/82

Branch Chief: [Signature]

file last updated 8/16/82

ACCEPTABLE DAILY INTAKE DATA

DOG	NOLL	S.F.	ADI	MPI
mg/kg	PPM		mg/g/day	mg/day (60kg)
16.750	750.00	2000	0.0094	0.5625

Published tolerances

CROP	Tolerance	Food Factor	mg/day (1.5kg)
Soybeans (oil)(148)	0.100	0.92	0.00138
Cottonseed (oil) (41)	0.050	0.15	0.00011
Avocados (6)	0.050	0.03	0.00002
Citrus Fruits(33)	0.050	3.81	0.00286
Figs(57)	0.050	0.03	0.00002
Kiwi Fruit(204)	0.050	0.03	0.00002
Nuts(101)	0.050	0.10	0.00005
Olives(104)	0.050	0.03	0.00002
Pistachio nuts(210)	0.050	0.03	0.00002
Pome Fruits(126)	0.050	2.79	0.00209
Pomegranates(186)	0.050	0.03	0.00002
Small Fruit,berries(146)	0.050	0.83	0.00062
Stone Fruits(151)	0.050	1.25	0.00094
Sweet Potatoes(157)	0.050	0.40	0.00030
Peas(117)	0.050	0.69	0.00052

MPI	THRC	% ADI
0.5625 mg/day (60kg)	0.0051 mg/day (1.5kg)	1.1

Current Action 2F2717,2F2718/2A5360

CROP	Tolerance	Food Factor	mg/day (1.5kg)
Potatoes(127)	0.100	5.43	0.00814
Peppermint(119)	0.100	0.03	0.00005
Spearmint(149)	0.100	0.3	0.00005

MPI	THRC	% ADI
0.5625 mg/day (60kg)	0.0173 mg/day (1.5kg)	3.07
