

US EPA ARCHIVE DOCUMENT

112701

Brodifacoum: ICI

<u>No.</u>	<u>Date Out</u>	<u>Reg. No.</u>	<u>Product</u>	<u>% a.i.</u>	
1	4/04/78	10182-EUP-10	Talon	0.005%	Norway, Roofrats, mice,
2	9/05/78	10182-EUP-12	Volak	0.005%	Orchard mice
3	4/26/79		Talon		9 registrations pellet/bait pack liquid, mini pellets, technical
4	11/16/79	10182-EUP-12	Volak		(protocol) apple orchard study and avian predators
5	5/15/80	10182-UG	Talon G		Rodenticide Pellets Rodenticide Bait Back, Secondary raptors
6	11/17/80	-EUP-ER	Volak		@ 20#/acre from 50 to 10 ppm 0.0002# a.i./A non-target hazard study proposed - 4000# @ Front Royal, VA - apple orchard during dormant season
7	5/18/81	-EUP-12	Volak		Final rpt.
8	6/03/81	-EUP-EU	Brodifacoum		Oat groats vs. Columbian Gr. Sq. in Montana - 300 A./600#'s product (.03 or .06# a.i. depend- ent if 50 or 100 ppm are used)
9	6/19/81	10182-EUP-EG	Talon Weather Block		2000# @ 50 ppm (0.05# a.i.) in all 50 states - control Norway, Roofrats and house mouse <u>rats:</u> 1/2 - 1 1/2 weather- blocks @ 15-30 ft. inter- vals for 10 days until sign ceases <u>mice:</u> 1 mouse wedge @ 8-12 ft. intervals for 15 days <u>outside placements:</u> use tamperproof bait boxes

References

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10	7/07/81		Brodifacoum	Tox. Br. Antidote Study in Beagle Dog
11	8/11/81	10182-UI	Talon Weather Blocks	Non-concur to registration due to potentially adverse impacts - more testing re- quired
12	10/02/81	10182-EUP-24	Brod. Oat Groats	modify EUP on Gr. Squirrels to involve Richardson as well as Columbian Gr. Squir- rels
13	10/30/81	10182-EUP-21	Valid	ICI contract with USFWS re: <u>Microtus</u> study in apple orchards. 10,000#'s on 500 acres Va. requiring 10#'s a.i. 1-2 spp. ?????? <u>Microtus</u> Va-study re: screechowl, Great horned owl, keetrels vs. Nationwide: 67,500# formu- lated product 20,000#'s for bait packs on 3,375A vs. 10 <u>Microtus</u> spp.
14	10/30/81	10183-EUP-21	Valid	in apple orchards (same as above)
15	11/19/81	-UI	Talon Weather Blocks	primary and secondary hazard concern R <u>PK</u> -criteria
<u>Label - Talon-G</u>				
16	11/19/81	-38,39, 40,41	Talon-G	Review 26 studies Label change proposed - still need for secondary and primary hazard tests
17	12/21/81	-LI	Valid Bait Pack	DER: 10 ppm - study reviewed dead non-targets
18	4/22/82	16-271 (Bell Labs)?	Valid	No comment on leaflet - pocket gophers 200 A. @ 50 ppm - use burrow builder + 3,000#'s (0.15# a.i.) 10 trials nationally - LC 50, LD 50 for gophers unknown - 50 ppm formulation plausible - milo grain vs. pellets? - 10 point for clarifications

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19	8/25/82	10182-EUP-GR	Talon-G	pocket gophers 200 A. @ 50 ppm - use burrow builder + 3,000#'s (0.15# a.i.) 10 trials nationally - LC 50, LD 50 for gophers unknown - 50 ppm formulation plausible - milo grain vs. pellets? - 10 point for clarifications
20	9/07/82	-38	Talon-G	"no additional data that would refute the present con- ditional registration of Talon-G. The addition of Gr. Sq. to label in and around ????? do not appear to significantly increase non-target hazard." <i>bldgs.</i>
21	2/22/83	-EUP-20		50 ppm vs. 10 ppm data not yet received from 10 ppm screech owl study
22	8/15/83	10182-LI	Valid	fruit and ^{not} orchards. Hand Baiting vs. Broad- cast directions. -14 studies - reviewed -secondarily toxic passerine, upland game birds, + rabbits found dead -Brodifacoum, when used in orchards causes significant (60-80%) screech owl re- duction. -BFC: highly toxic primarily and secondarily and very persistent in the environ- ment and animal tissues.
23	4/27/84			Minutes of meeting with ICI
24				
25	6/01/84	112701		Submission of proposed label pine and meadow mice in ap- ple orchards in 9 States - formal consultation sought
26	4/02/85 (in house)		Valid	Submission of adverse ef- fects data for review -3 studies done in UK re: primary, secondary poisoning