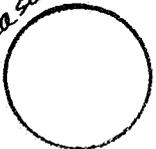


US EPA ARCHIVE DOCUMENT

ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

Releasable


Date: May 8, 1973

Reply to
Attn of:

Subject: Linuron - The petitioner is proposing the establishment of a tolerance of 0.25 ppm for residues of the herbicide
To: Linuron in or on asparagus.

Mr. Lee E. TerBush, Acting Chief
Coordination Branch
Registration Division

Pesticide Petition No. 3E1373

California Department of
Agriculture
1220 N. Street
Sacramento, Calif. 95814

Tolerances have been established for Linuron under CFR 180.184 on a wide variety of r.a.c. No new data were submitted with this petition. A summary of data from previous petitions follow:

PP No. 356 reviewed by Dr. M. L. Quaife 4/29/63

Acute oral Rats	LD ₅₀ approximately 2 g/kg
Subacute oral Rats	N.E. between 80 - 400 ppm
✓ Chronic Oral Rats	N.E. level 125 ppm
Chronic Oral Dog	N.E. level 125 ppm 25 ppm <i>Corrected</i>
Rat reproduction	N.E. level 125 ppm
Eye irritation Rabbit	N.E. level 0.1 ml of 10% suspension <i>10/4/77</i>
Skin irritation Guinea Pig	10% aqueous suspension of 50% WP <i>MLG</i> caused moderate irritation no sensitization.

Conclusion was 1 ppm residue was safe on corn, fodder, soybeans and meat fat, meat, and meat by-products from cattle.

Page 2 - PP# 3E1373

PP No. 413 reviewed by Dr. M. L. Quaife 4/20/63

No new data submitted for this petition.

Conclusion was that 1 ppm residue was safe in or on carrots, with or without tops, carrot tops, potatoes and soybean forage or hay. An additional 100 fold margin of safety was indicated at the proposed level.

PP No. 7F0542 reviewed by Dr. M. L. Quaife 12/1/66

New data consisted of 2 reproduction studies one in the rat and the other in rabbits.

Reproduction Rats	N.E. level 125 ppm
Reproduction Rabbits	N.E. level 125 ppm

Conclusion was that 1 ppm residue was safe in or on wheat, barley, oats, rye (in either grain, hay, forage or straw); sorghum (grain or forage); cottonseed; corn, parsnips and parsnip tops.

PP No. 1E1148 reviewed by Dr. M. L. Quaife 8/30/71

Data submitted with this petition included a listing of the impurities of technical linuron. These impurities were found to be less toxic than the active ingredient.

Conclusion of this review was that 1 ppm would be safe on celery.

PP No. 3E1373 - The present petition contained no new toxicological data. The request is for use only in the Imperial Valley of California under permit from the Imperial County Agricultural Commissioner and in the directions for the proposed use it was stated that application would be at least 150 days before harvest.

TB defers to Chemistry as to the actual amounts of residue found on asparagus following the proposed 150 day PHI. We conclude that the proposed tolerance of 0.25 ppm in or on asparagus would be safe based upon previously submitted toxicity data and recommend the tolerance be established.

Robert P. Schmidt 5/8/73

Robert P. Schmidt, D.V.M.
Toxicology Branch
Registration Division

cc: Chemistry Branch
Ecological Effects Branch
Division Reading File
Branch Reading File
PP# 3E1373

R/D Init:CHWilliams 5/8/73
RPSchmidt:dtb 5/8/73
Init:CHWilliams 5/8/73

*OK
5/9/73*