

ZİRAİ MÜCADELE İLAÇ VE ALETLERİ ENSTİTÜSÜ ÇALIŞMALARINDAN

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Bu yazı «National Agricultural Chemicals Association News» adlı bültenin Vol. 18, No. 3, Şubat 1960 tarihli sayısından derlenmiştir. Mezkûr bülten verilen tolerans'ların, Amerika Birleşik Devletleri tescil Ofisinin, resmi tolerans talimatnamesi adlı neşriyatından dikkatle toplanıp neşir edildiğini bildirmektedir. Fakat «National Agricultural Chemicals Association» nın hatalar, ihmaller veya diğer doğru olmıyan hususlar için hiçbir mesuliyet kabul etmediği ayrıca belirtilmektedir. Bu yazı «Bitki Koruma Bülteninin» cilt 2, sayı 8, 1961 de çıkan «Resmi FDA toleransları» adlı makalenin devamıdır.

SEBZELER

9 — Enginarlar :

İ l â ç l e r	Tolerans
DDT	7 p.p.m.
Methyl bromide (hasattan sonra fümigasyonda Br. olarak hesaplanan inorganik bromide)	30 p.p.m.
Nikotin ihtiva eden bileşikler	2 p.p.m.
	Nikotin
Parathion	1 p.p.m.

10 — Kuşkonmazlar :

İ l â ç l e r	Tolerans
Aldrin	0.1 p.p.m.
Benzene hexachloride	5 p.p.m.
Kalsiyum arsenat (As_2O_3 ün bileşiminin)	3.5 p.p.m.
Dalapon (2,2-dichloropropionic asit olarak)	30 p.p.m.
DDT	7 p.p.m.
Dieldrin	0.1 p.p.m.

(*) Food and Drug Administration.

Etilen dibromid (Toprak muamelesinde Br. olarak hesaplanan inorganik bromid)	10 p.p.m.
Ferbam	7 p.p.m.
Kurşun arsenat	7 p.p.m.
Lindane	10 p.p.m.
Malathion	8 p.p.m.
Methoxychlor	14 p.p.m.
Monuron	7 p.p.m.
Nikotin ihtiva eden bileşikler (Nikotin olarak)	2 p.p.m.

11 — Fasulyalar, yeşil fasulyalar, bezelyeler :

İ l â ç l e r	Tolerans
Benzene hexachloride	5 p.p.m.
Kalsiyum arsenat (As_2O_3 ün bileşiminin)	3.5 p.p.m.
Chlordane	0.3 p.p.m.
DDT	7 p.p.m.
EPN	3 p.p.m.
Ferbam	7 p.p.m.
Lindane	10 p.p.m.
Methoxychlor	14 p.p.m.
Metil bromid (Hasattan sonra fumigasyonda Br. olarak hesaplanan inorganik bromid)	50 p.p.m.
Nikotin ihtiva eden bileşikler (Nikotin olarak)	2 p.p.m.
Parathion	1 p.p.m.
TDE	7 p.p.m.
Toxaphene	7 p.p.m.
Zineb	7 p.p.m.
Ziram	7 p.p.m.

FASULYALAR

İ l â ç l e r	Tolerans
Aldrin	0 sıfır
Captan (Hasattan önce hasattan sonra kullanmalarda) ...	100 p.p.m.
Demeton	0.3 p.p.m.
Dichlone	3 p.p.m.
Dieldrin	0 sıfır
Ethion	1 p.p.m.
Malathion	8 p.p.m.
Maneb	10 p.p.m.
Piretrinler (Hasattan sonra kullanmada)	1 p.p.m.

Fasulyalar (Kurutulmuş)

İ l â ç l e r	Tolerans
Captan (Hasattan önce hasattan sonra kullanmalarda) ...	100 p.p.m.
1,1, bis (p—chlorophenyl 2,2,2—trichloroethanol)	5 p.p.m.
Hidrojin siyanid (Hasattan sonra fumigasyonda)	25 p.p.m.

Yeşil Fasulyalar

İ l â ç l a r	Tolerans
2— (p—tert-butylphenoxy)-isopropyl—2 chloroethyl sulfite	0 sıfır
Etilen dibromid (USDA karantina program) Br. olarak he- saplanan inorganik bromid	10 p.p.m.

BEZELYELER

İ l â ç l a r	Tolerans
Aldrin	0 sıfır
Dieldrin	0 sıfır
Heptachlor	0 sıfır

12 — Lahana, Brüksel lahanası, kohlrabi, karnabahar :

İ l â ç l a r	Tolerans
Aldrin	0,25 p.p.m.
Benzene hexachloride	5 p.p.m.
Kalsiyum arsenat (As_2O_3 ün bileşiminin)	3.5 p.p.m.
Captan (hasattan önce hasattan sonra kullanmalarda) ...	100 p.p.m.
Chlordane	0.3 p.p.m.
Bakır arsenat (As_2O_3 ün bileşiminin)	3.5 p.p.m.
DDT	7 p.p.m.
1,1— Dichloro — 2,2—bis (p—ethylphenyl) ethane	15 p.p.m.
Dieldrin	0.25 p.p.m.
Ferbam	7 p.p.m.
Fluorine bileşikleri (Fluorin bileşiminin)	7 p.p.m.
Heptachlor	0 sıfır
Lindane	10 p.p.m.
Malathion	8 p.p.m.
Methoxychlor	14 p.p.m.
Nikotin ihtiva eden bileşikler (Nikotin olarak)	2 p.p.m.
Parathion	1 p.p.m.
TDE	7 p.p.m.
Toxaphene	7 p.p.m.
Zineb	7 p.p.m.
Ziram	7 p.p.m.

Lahana, Brüksel lahanası, karnabahar

İ l â ç l a r	Tolerans
Demeton	0.75 p.p.m.
1—methoxycarbonyl—1—propen—2—yl dimethylphosphate ve onun beta isomeri	1 p.p.m.

Brüksel lahanası, kohlrabi, karnabahar

İ l â ç l a r	Tolerans
Maneb	10 p.p.m.

L A H A N A

İ l â ç l e r	Tolerans
0,0—diethyl 0—(2— <i>isopropyl</i> —4— <i>methyl</i> —6— <i>pyrimidinyl</i>) prosporphothioate	0.75 p.p.m.
0,0— <i>dimethyl</i> —S—(4—OXO—1,2,3— <i>benzotriazinyl</i> -3— <i>methyl</i>) prosporphothioate	2 p.p.m.
Endrin	0 sıfır
Maneb	10 p.p.m.

ÇİN LAHANASI

İ l â ç l e r	Tolerans
Captan (Hasattan önce, hasattan sonra kullanmalarda) ...	100 p.p.m.
Maneb	10 p.p.m.
Zineb	25 p.p.m.

KARNİBAHAR

İ l â ç l e r	Tolerans
0.0— <i>diethyl</i> 0—(2— <i>isopropyl</i> —4— <i>methyl</i> —6— <i>pyrimidinyl</i>) phosphorothioate	0.75 p.p.m.
0.0— <i>dimethyl</i> —S— (4—OXO—1,2,3— <i>benzotriazinyl</i> -3— <i>methyl</i>) phosphorothioate	2 p.p.m.
Etilen dibromide (toprak muamelesinde Br. olarak hesap lanan inorganik bromid)	10 p.p.m.

13 — Havuçlar (Yapraklı veya yapraksız) veya havuç yaprakları :

İ l â ç l e r	Tolerans
Kalsiyum arsenat (As_2O_3 ün bileşiminin)	3,5 p.p.m.
Chlordane	0,3 p.p.m.
Bakır arsenat (As_2O_3 ün bileşiminin)	3,5 p.p.m.
DDT	7 p.p.m.
Etilen dibromid (Toprak muamelesinde Br. olarak hesap lanan inorganik bromid)	75 p.p.m.
Ferbam	7 p.p.m.
Fluorine bileşikleri (Fluorin bileşiminin)	7 p.p.m.
Maneb	7 p.p.m.
Methoxyclor	14 p.p.m.
Parathion	1 p.p.m.
DDT	7 p.p.m.
Toxaphene	7 p.p.m.
Zineb	7 p.p.m.
Ziram	7 p.p.m.

H A V U Ç L A R

İ l â ç l e r	Tolerans
Aldrin	0.25 p.p.m.
Captan (hasattan önce, hasattan sonra kullanmalarda) ...	100 p.p.m.

Dieldrin	0.1 p.p.m.
0,0—diethyl 0—(2— <i>isopropyl</i> —4— <i>methyl</i> —6— <i>pyrimidinyl</i>) phosphorothioate	0.75 p.p.m.
Heptachlor	0 sıfır
Malathion	8 p.p.m.
Metil bromid (Hasattan sonra fumigasyonda Br. olarak hesaplanan inorganik bromid)	30 p.p.m.

14 — Kereviz :

İ l â ç l e r

Tolerans

Aldrin	0.1 p.p.m.
Benzene hexachloride	5 p.p.m.
2— (<i>p</i> — <i>tert</i> — <i>butylphenoxy</i>) — <i>isopropyl</i> —2— <i>chloroethyl</i> sulfite	0 sıfır
Kalsiyum arsenat (As_2O_3 ün bileşiminin)	3.5 p.p.m.
Captan (hasatan önce hasattan sonra kullanmalarda)	100 p.p.m.
Chlordane	0.3 p.p.m.
DDT	7 p.p.m.
Dichlone	3 p.p.m.
2,4— <i>dichloro</i> — 6—0— <i>chloroanilino</i> —8— <i>triazine</i>	10 p.p.m.
Dinitro—0— <i>cyclohexylphenol</i> 'un <i>dicyclohexylamin</i> tuzu ...	1 p.p.m.
Dieldrin	0.25 p.p.m.
0,0—diethyl 0—(2— <i>isopropyl</i> —4— <i>methyl</i> —6— <i>pyrimidinyl</i>) phosphorothioate	0.75 p.p.m.
Ferbam	7 p.p.m.
Kurşun arsenat (kurşun bileşiminin)	7 p.p.m.
Lindane	10 p.p.m.
Malathion	8 p.p.m.
Maneb	10 p.p.m.
Nikotin ihtiva eden bileşikler (Nikotin olarak)	2 p.p.m.
Parathion	1 p.p.m.
Toxaphene	7 p.p.m.
Zineb	7 p.p.m.
Ziram	7 p.p.m.

15 — Mısır (Taze sebze) :

İ l â ç l e r

Tolerans

Benzen hexachloride	5 p.p.m.
Kalsiyum arsenat (As_2O_3 ün bileşiminin)	3.5 p.p.m.
Chlordane	0.3 p.p.m.
DDT	7 p.p.m.
EPN	3 p.p.m.
Etilen dibromid (Toprak muamelesinde Br. olarak hesap- lanan inorganik bromid)	50 p.p.m.
Ferbam	7 p.p.m.
Fluorine bileşikleri (Fluorin bileşiminin)	7 p.p.m.
Heptachlor	0 sıfır

Lindane	10 p.p.m.
1—methoxycarbonyl—1—propen—2—yl dimethylphosphate ve onun beta isomeri	0.25 p.p.m.
Methoxychlor	14 p.p.m.
Nikotin ihtiva eden bileşikler (Nikotin olarak)	2 p.p.m.
Parathion	1 p.p.m.
TDE	7 p.p.m.
Toxaphene	7 p.p.m.
Zineb	7 p.p.m.

Tatlı mısır (taneler ve hayvan yemi)

İ l â ç l e r	Tolerans
2— (p—tert —butylphenoxy) —isopropyl —2—chloroethyl sulfite	0 sıfır

Mısır (Taneler - kabuğu soyulmuş mısır koçanı)

İ l â ç l e r	Tolerans
Captan (Hasattan önce hasatan sonra kullanmalarda)	100 p.p.m.
Malathion	2 p.p.m.
Maneb	7 p.p.m.
Metil bromid (Hasattan sonra fumigasyonda Br. olarak hesaplanan inorganik bromid)	50 p.p.m.

16 — Hıyarlar :

İ l â ç l e r	Tolerans
Aldrin	0.25 p.p.m.
Benzene hexachloride	5 p.p.m.
2—(p—tert—butylphenoxy) isopropyl—2—chloroethyl sulfite	0 sıfır
Kalsiyum arsenat (As_2O_3 ün bileşiminin)	3.5 p.p.m.
Captan (Hasattan önce hasat sonu kullanmalarda)	100 p.p.m.
Chlordane	0.3 p.p.m.
1 1—bis (p—chlorophenyl)—2,2,2—trichloroethanol	5 p.p.m.
S—(p—chlorophenylthiomethyl) 0,0—diethyl phos- phosodithioate	0.8 p.p.m.
DDT	7 p.p.m.
Dieldrin	0.25 p.p.m.
0,0—diethyl 0—(2— isopropyl—4—methyl —6—pyrimidinyl) phosphorothioate	0.75 p.p.m.
Etilen dibromid (toprak muamelesinde Br. olarak hesaplana- nan inorganik bromid)	0 sıfır
Ferbam	30 p.p.m.
Fluorine bileşikleri (Fluorine bileşiminin)	7 p.p.m.
Lindane	7 p.p.m.
Malathion	10 p.p.m.
Maneb	8 p.p.m.
Maneb	7 p.p.m.

1—Methoxycarbonyl—1—propen—2—yl dimethyl phosphate ve onun bate isomeri	0.25 p.p.m.
Methoxychlor	14 p.p.m.
Metil bromid (Hasattan sonra fumigasyonda Br. olarak hesaplanan inorganik bromid)	30 p.p.m.
Nikotin ihtiva eden bileşikler (Nikotin olarak)	2 p.p.m.
Parathion	1 p.p.m.
TDE	7 p.p.m.
Toxaphene	7 p.p.m.
Zineb	7 p.p.m.
Ziram	7 p.p.m.

17 — Patlıcanlar :

İ l â ç l a r	Tolerans
Aldrin	0.1 p.p.m.
Benzen hexachloride	5 p.p.m.
Kalsiyum arsenat (As_2O_3 bileşiminin)	3.5 p.p.m.
Captan (hasattan önce hasat sonu kullanmalarda)	100 p.p.m.
Chlorbenseide	3 p.p.m.
Chlordane	0.3 p.p.m.
1,1—bis (p—chlorophenyl)—2,2,2—trichloroethanol	5 p.p.m.
S— (p—chlorophenylthiomethyl) 0,0—diethyl phosphoro- dithioate	0.8 p.p.m.
DDT	7 p.p.m.
Dieldrin	0.1 p.p.m.
Endrin	0 sıfır
Etilen dibromid (Toprak muamelesinde Br. olarak hesap- lanan inorganik bromid)	50 p.p.m.
Ferbam	7 p.p.m.
Fluorine bileşikleri (Fluorine bileşiminin)	7 p.p.m.
Kurşun arsenat (Kurşun bileşiminin)	7 p.p.m.
Lindane	10 p.p.m.
Malathion	8 p.p.m.
Maneb	7 p.p.m.
Methoxychlor	14 p.p.m.
Metil bromid (Hasattan sonra fumigasyonda Br. olarak hesaplanan inorganik bromid)	20 p.p.m.
Nikotin ihtiva eden bileşikler (Nikotin olarak)	2 p.p.m.
Parathion	1 p.p.m.
TDE	7 p.p.m.
Toxaphene	7 p.p.m.
Zineb	7 p.p.m.
Ziram	7 p.p.m.

18 — Marul :

İ l â ç l a r	Tolerans
Aldrin	0.25 p.p.m.
Benzene hexachloride	5 p.p.m.

Captan (Hasattan önce, hasat sonu kullanmalarda)	100 p.p.m.
Chlordane	0.3 p.p.m.
DDT	7 p.p.m.
Demeton	0.75 p.p.m.
1,1-Dichloro-2,2-bis (p-ethylphenyl) ethane	15 p.p.m.
Dieldrin	0.25 p.p.m.
0,0-diethyl-0-(2-isopropyl 4-methyl-6-pyrimidinyl) phosphorothioate	0.75 p.p.m.
EPN	3 p.p.m.
Etilen dibromid (Toprak muamelesinde Br. olarak hesap- lanan inorganik bromid)	30 p.p.m.
Ferbam	7 p.p.m.
Fluorine bileşikleri (Fluorine bileşiminin)	7 p.p.m.
Lindane	10 p.p.m.
Malathion	8 p.p.m.
Maneb	10 p.p.m.
1-Methoxycarbonyl-1-propen-2-yl dimethylphosphate ve onun beta isomeri	0.5 p.p.m.
Methoxychlor	14 p.p.m.
Nikotin ihtiva eden bileşikler (Nikotin olarak)	2 p.p.m.
Parathion	1 p.p.m.
TDE	7 p.p.m.
Toxaphene	7 p.p.m.
Zineb	25 p.p.m.
Ziram	7 p.p.m.

19 — Kavunlar, dilimli kavunlar, karpuzlar ve diğer çeşit kavun, karpuzlar :

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Tolerans

Benzene hexachloride	5 p.p.m.
Kalsiyum arsenat (As_2O_3 bileşiminin)	3.5 p.p.m.
Captan (Hasattan önce, hasat sonu kullanmalarda)	100 p.p.m.
Chlordane	0.3 p.p.m.
1,1-bis (p-chlorophenyl) -2,2,2-trichloroethanol	5 p.p.m.
DDT	7 p.p.m.
Ethion	1 p.p.m.
Etilen dibromid (Toprak muamelesinde Br. olarak hesap- lanan inorganik bromid)	75 p.p.m.
Ferbam	7 p.p.m.
Fluorine bileşikleri (Fluorin bileşiminin)	7 p.p.m.
Lindane	10 p.p.m.
Malathion	8 p.p.m.
Maneb	7 p.p.m.
Methoxychlor	14 p.p.m.
Nikotin ihtiva eden bileşikler (Nikotin)	2 p.p.m.
Parathion	1 p.p.m.
Sodyum dimethyldithiocarbamate (hasat sonu kullanmada, çinko etilen - bisdithiocarbamate olarak)	25 p.p.m.
TDE	7 p.p.m.
Zineb	7 p.p.m.
Ziram	7 p.p.m.

K A V U N L A R

İ l â ç l a r	Tolerans
Aldrin	0.1 p.p.m.
2— (p—tert —butylphenoxy) —isopropyl —2—chloroethyl sulfite	0 sıfır
Captan (Hasattan önce hasat sonu kullanmalarda)	100 p.p.m.
S— (p—chlorophenylthiomethyl) 0,0—diethyl phosphorodithioate	0.8 p.p.m.
Dieldrin	0 sıfır
0,0—diethyl 0—(2— isopropyl —4—methyl —6—pyrimidinyl) phosphorothioate	0.75 p.p.m.
Etil 4,4—dichlorobenzilate	5 p.p.m.
Metil bromid (Hasat sonu fümigasyonda Br. olarak hesaplanan inorganik bromid)	20 p.p.m.
Tetraiodoethylene (hasat sonu tatbikte)	15 p.p.m.
Sodyum—0— phenylphenate (Hasat sonu kullanmalarda) 0—phenyphenol yenen kısımda 10 p.p.m. den fazla olmamak kaydı ile)	125 p.p.m.

Dilimli Kavunlar

İ l â ç l a r	Tolerans
Aldrin	0.1 p.p.m.
Allethrin (Hasan sonu kullanmada)	4 p.p.m.
2— (p—tert —butylphenoxy) —isopropyl —2—Chloroethyl sulfite	0 sıfır
Demeton	0.75 p.p.m.
0,0—diethyl 0—(2— isopropyl —4—methyl —6—pyrimidinyl) phosphorothioate	0 sıfır
Metil bromid (hasattan sonra fümigasyonda Br. olarak hesaplanan inorganik bromid)	20 p.p.m.
Piperonyl butoxide (hasatan sonra kullanmada)	8 p.p.m.
Piretrinler (hasattan sonra kullanmalarda)	1 p.p.m.

K A R P U Z L A R

İ l â ç l a r	Tolerans
Aldrin	0.1 p.p.m.
2— (p—tert— butylphenoxy) isopropyl —2—chloroethyl sulfite	0 sıfır
Captan (Hasattan önce, hasat sonu kullanmalarda)	100 p.p.m.
S— (p—chorophenylthiomethyl) 0,0—diethyl phosphorodithioate	0.8 p.p.m.
Dieldrin	0 sıfır
0,0—diethyl 0—(2— isopropyl —4—methyl —6—pyrimidinyl) phosphorothioate	0.75 p.p.m.
Metil bromid (Hasattan sonra fümigasyonda Br. olarak hesaplanan inorganik bromid)	20 p.p.m.

20 — Yenilen mantarlar :

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Tolerans

DDT	7 p.p.m.
Lindane	10 p.p.m.
Malathion	8 p.p.m.
Methoxychlor	14 p.p.m.
Nikotin ihtiva eden bileşikler (Nikotin olarak)	2 p.p.m.
Zineb	7 p.p.m.

21 — Bamyâ :

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Tolerans

Benzene hexachloride	5 p.p.m.
Chlordane	0.3 p.p.m.
DDT	7 p.p.m.
Etilen dibromid (toprak muamelesinde Br. olarak hesaplanan inorganik bromid)	50 p.p.m.
Fluorine bileşikleri (Fluorin bileşiminin)	7 p.p.m.
Lindane	10 p.p.m.
Metil bromid (Hasat sonu fümigasyonda Br. olarak hesaplanan inorganik bromid)	30 p.p.m.
Nikotin ihtiva eden bileşikler (Nikotin olarak)	2 p.p.m.
Parathion	1 p.p.m.
Toxaphene	7 p.p.m.

22 — Soğanlar (Yeşil soğanlar dahil) :

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Tolerans

Aldrin	0.25 p.p.m.
Benzeen hexachloride	5 p.p.m.
Captan (hasattan önce, hasat sonu kullanmalarda)	100 p.p.m.
Chlordane	0.3 p.p.m.
S— (p—chlorophenylthiomethyl) 0,0—diethyl phosphorodithioate	0.8 p.p.m.
DDT	7 p.p.m.
Dieldrin	0.1 p.p.m.
0,0—dimethyl S—(4—OX0—1,2,3—benzotriazinyl—3—methyl) phosphorodithioate)	2 p.p.m.
0,0—dithyl 0—(2—iso-propyl —4—methyl —6—pyrimidinyl) phosphorodithioate)	0.75 p.p.m.
Ethion	1 p.p.m.
Ferbam	7 p.p.m.
Heptachlor	0 sıfır
Lindane	10 p.p.m.
Malathion	8 p.p.m.
Maneb	7 p.p.m.
1—Methoxycarbonyl—1—propen—2—yl dimethylphosphate ve onun beta isomeri	0.25 p.p.m.

Metil bromid (Hasattan sonra fümigasyonda Br. olarak hesaplanan inorganik bromid)	20 p.p.m.
Nikotin ihtiva eden bileşikler (Nikotin olarak)	2 p.p.m.
Parathion	1 p.p.m.
Tartar emetik (Antomin triokside bileşiminin)	3.5 p.p.m.
Toxaphene	7 p.p.m.
Zineb	7 p.p.m.
Ziram	7 p.p.m.

Soğanlar (Yalnız kuru başlar)

İ l â ç l a r	Tolerans
2,4-dichloro-6-0-chloroanilino-8-tirazine	1 p.p.m.
Monuron	1 p.p.m.

SARIMSAK

İ l â ç l a r	Tolerans
Aldrin	0.25 p.p.m.
Captan (Hasattan önce, hasat sonu kullanmalarda)	100 p.p.m.
2,4-dichloro-6-0-chloroanilino-8-triazine	1 p.p.m.
Malathion	8 p.p.m.
Metil bromid (Hasattan sonra fümigasyonda Br. olarak hesaplanan inorganik bromid)	50 p.p.m.

PIRASALAR

İ l â ç l a r	Tolerans
Aldrin	0.25 p.p.m.
Captan (Hasatan önce, hasat sonu kullanmalarda)	100 p.p.m.
Malathion	8 p.p.m.

Arpacık Soğanları

İ l â ç l a r	Tolerans
Aldrin	0.25 p.p.m.
Captan (Hasattan önce hasat sonu kullanmalarda)	100 p.p.m.
Malathion	8 p.p.m.

23 — Maydanoz :

İ l â ç l a r	Tolerans
Captan (Hasattan önce, hasat sonu kullanmalarda)	100 p.p.m.
Malathion	8 p.p.m.
0,0-diethyl 0-(2-isopropyl -4-methyl -6-pyrimidinyl) phosphorothioate	0.75 p.p.m.
Nikotin ihtiva eden bileşikleri (Nikotin olarak)	2 p.p.m.
Zineb	7 p.p.m.

S U M M A R Y

Official FDA Tolerances.

The tolerances as listed in this article have been carefully compiled from the «National Agricultural chemicals Association news» bulletin volume 18, No. 3, February, 1960 special issue. These are the official tolerance orders as published in the Federal Register. NAC association, however, does not accept any responsibility for errors, omissions or other inaccuracies.