

Index

Symbols

"L" Fume 5-4-39, 5-5-47

Numerics

2-hour reading

methyl bromide 2-4-22

30-minute reading

methyl bromide 2-4-22

A

A. fraterculus

MB at NAP treatment 5-2-7

vapor heat treatment 5-2-70

A. ludens

cold treatment 5-2-73

forced hot air treatment 5-2-58

hot water treatment 5-2-54

A. obliqua

forced hot air treatment 5-2-58

A. serpentina

forced hot air treatment 5-2-58

a.i. 7-4-10

ability to heat area

methyl bromide 2-4-5

abiu

from Hawaii 5-2-65

absorbed dose 3-8-6

Acalypha 5-6-20

treatment options 5-6-20

acceptable daily intake (ADI) 7-4-10

ACGIH 7-4-10

Achatina

cold treatment 5-5-10

MB at NAP treatment 5-5-5

other treatment options 5-5-7

Achatinidae

cold treatment 5-5-10

achimenes 5-6-15

Aconitum 5-6-20

treatment options 5-6-20

acorn

nonpropagative 5-4-8

propagative 5-3-26

actinidia 5-6-15

actionable pests 5-3-18

active ingredient (a.i.) 7-4-10

adding gas and time

oak logs T312a 2-4-30, 2-4-31

oak logs T312a-Alternate 2-4-30, 2-4-34

other than T101 or equivalent 2-4-24,
2-4-26

T101 or equivalent schedules 2-4-26

additional readings

methyl bromide 2-4-23

ADI 7-4-10

aerating

fresh fruit, vegetables, and cut flowers
2-4-42

nonsorptive, containerized cargo 2-4-38

nonsorptive, noncontainerized cargo
2-4-40

sorptive, containerized cargo 2-4-45

sorptive, noncontainerized cargo 2-4-43

Aeration Duct, Flexible H-1-8

aeration requirements

methyl bromide 2-4-6

phosphine 2-10-35

sulfuryl fluoride 2-9-5

Aerosol Insecticides H-1-9

aerosols 2-11-1

aerosols and micronized dusts

cargo aircraft treatment 2-11-2

containerized or palletized cargo treat-
ment 2-11-3

passenger compartment treatment 2-11-2

precautions 2-11-4

separate cargo compartment treatment
2-11-3

Aerospatiale 5-5-30

African couchgrass

dry heat treatment 5-5-41

Africanized honeybee swarms

residual insect spray treatment 5-5-4

Afromomum melgueta 5-2-29

Agapanthus 5-6-15

Agrilus planipennis

heat treatment 5-4-38

Agriolimacidae

MB at NAP treatment 5-3-6, 5-5-8

Agriolimax

MB at NAP treatment 5-3-6, 5-5-8

Air Pump, Auxiliary H-1-9

Airbus Industries of North America, Inc.
5-5-29

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z

- aircraft 5-5-28
treatment options 5-5-28
- Air-Purifying Respirator** H-1-11
- Alabama**
state hazardous waste management agencies 7-3-12
- Alaska**
state hazardous waste management agencies 7-3-12
- Aleurocanthus woglumi**
MB at NAP treatment 5-2-27, 5-3-11
- Aleurocanthus woglumi host plants**
treatment options 5-3-11
- alfalfa seeds**
from Europe 5-6-14
- Allium** 5-6-14
- Allium schoenoprasum** 5-2-29
- Allium tuberosum** 5-2-29
- allspice** 5-2-29
- aloe** 5-6-15
- alpha grass and handicrafts** 5-4-16
treatment options 5-4-16
- Alphelenchoides fragariae** 5-6-15
- Aluminum Phosphide** H-1-12
- Amaryllis** 5-6-14, 5-6-18
- ambrosia/timber beetles**
kiln sterilization treatment 5-5-17
- American Bureau of Shipping** 6-4-4
- American Conference of Governmental Industrial Hygienists (ACGIH)** 7-4-10
- American Samoa**
state hazardous waste management agencies 7-3-12
- Amorphophallus** 5-6-15
- Ampelodesma mauritanicus** 5-4-16
- Ampelopsis** 5-6-15
- Amphulariidae**
hot water treatment 5-3-3
- Anastrepha spp.**
cold treatment 5-2-72, 5-2-73
forced hot air treatment 5-2-57
hot water treatment 5-2-54
MB at NAP/chamber only treatment 5-2-20, 5-2-27, 5-2-38
vapor heat treatment 5-2-67
- Anchusa** 5-6-15
- anemometer** 8-1-27
- Anemone** 5-6-15
- angelica** 5-2-29
- Angelica archangelica** 5-2-29
- Animal and Plant Health Inspection Service**
preclearance program for vessels used for intransit cold treatment 6-4-2-??
- Animal and Plant Health Inspection Service (APHIS)** 7-4-10
- anise** 5-2-29
- anise star** 5-2-29
- annatto** 5-2-29
- ant**
kiln sterilization treatment 5-5-17
MB at NAP treatment 5-2-61, 5-5-41
residual insecticidal spray treatment 5-5-4
- Anthemis nobilis** 5-2-29
- Anthemum graveolens** 5-2-29
- Anthonomus grandis** 5-4-5
MB at NAP/tarpaulin only treatment 5-4-5
- Anthriscus cerefolium** 5-2-29
- AP** 2-10-9
- Aphelenchoides besseyi** 5-6-17
hot water treatment 5-6-17, 5-6-18
- Aphelenchoides fragariae spp.**
hot water treatment 5-6-19, 5-6-20
- Aphelenchoides subtenuis**
hot water treatment 5-6-18
- aphids** 5-3-5
MB at NAP treatment 5-2-61, 5-3-5
- APHIS** 7-4-10
- APHIS Form 205-R, Instructions and Worksheet for Calibrating Portable Temperature Sensors** A-1-3
- APHIS Form 2061, Residue Sample for Food or Feed Product** A-1-2
- APHIS Form 206-R, Test of the Accuracy of the Permanent RTD Sensors Installed in Hot Water Tanks** A-1-4
- APHIS Form 207-R, Sensor Location Diagram Fruit Weights and Pulp Temperatures** A-1-5
- APHIS Form 208, Performance Test for Mango Hot Water Immersion Tank** A-1-6
- Apium graveolens** 5-2-29
- apple** 5-2-3, 5-2-61, 5-2-62, 5-2-72, 5-2-73, 5-2-77, 5-2-79, 5-7-3
from Australia 5-2-80
Fuji from Japan and Korea 5-2-81
- apple maggot**

- irradiation treatment 5-2-64
 - Applicator (Dispenser) for Methyl Bromide** H-1-14
 - Approved Calibration Companies (thermometers)** H-1-67
 - apricot** 5-2-3, 5-2-61, 5-2-62, 5-2-72, 5-2-73, 5-2-74, 5-2-77
 - aquatic plants infested with freshwater snails**
 - hot water treatment 5-3-3
 - Araucaria spp.**
 - MB at NAP treatment 5-3-9
 - Archachatina** 5-5-7
 - cold treatment 5-5-10
 - MB at NAP treatment 5-5-5
 - Arion**
 - MB at NAP treatment 5-3-6, 5-5-8
 - Arionidae**
 - MB at NAP treatment 5-3-6, 5-5-8
 - Arizona**
 - state hazardous waste management agencies 7-3-12
 - Arkansas**
 - state hazardous waste management agencies 7-3-12
 - Armoracea** 5-6-15
 - Artemisia absinthium** 5-2-29
 - Artemisia dracunculoides** 5-2-29
 - Ascarite** 8-1-4
 - Ascarite II** H-1-14
 - Ascochyta spp.** 5-6-11
 - ash logs** 5-4-38
 - asparagus** 5-2-3, 5-2-61, 5-2-62
 - from Thailand, Australia, New Zealand 5-2-4
 - asphalt surfaces** 5-5-3
 - Asphodelus fistulosus** 5-5-41
 - astilbe** 5-6-15, 5-6-18
 - root 5-3-20
 - atemoya** 5-2-65
 - atmospheric fumigation chambers**
 - basic design elements 6-3-2
 - certification of 6-3-1
 - circulation and exhaust systems 6-3-3
 - construction and performance standards 6-3-1
 - fumigant dispensing system 6-3-4
 - gastight construction 6-3-3
 - other auxiliary equipment 6-3-5
 - Austrotortrix spp.**
 - cold treatment followed by MB at NAP 5-2-80
 - MB at NAP followed by cold treatment 5-2-79
 - Autoclaves** H-1-47
 - Autographa gamma**
 - MB at NAP treatment 5-2-34
 - automobiles** 5-5-21
 - restricted MB fumigation item 2-3-7
 - auxiliary pump** 8-1-28
 - avocado** 5-2-61, 5-2-72, 5-2-77
 - FIFRA section 18 exemption 2-3-3
 - from Hawaii, Israel, Philippines 5-2-4
 - seeds only, without pulp 5-3-25
 - avocado seed moth**
 - MB in 26" vacuum treatment 5-3-25
 - avocado seed weevil**
 - MB in 26" vacuum treatment 5-3-25
 - avocado stem weevil**
 - MB in 26" vacuum treatment 5-3-25
 - Azalea** 5-3-9
 - azalea** 5-6-3
 - Azalea indica** 5-3-9
 - azaleodendron** 5-6-3, 5-6-6
- B**
- Bactrocera cucurbitae**
 - cold treatment 5-2-75
 - forced hot air treatment 5-2-57, 5-2-59
 - fumigation plus cold treatment 5-2-77
 - irradiation treatment 5-2-64
 - MB at NAP treatment 5-2-4
 - vapor heat treatment 5-2-67, 5-2-68, 5-2-69
 - Bactrocera dorsalis**
 - cold treatment 5-2-75
 - forced hot air treatment 5-2-57, 5-2-59
 - fumigation plus cold treatment 5-2-77
 - hot water immersion treatment 5-2-53
 - irradiation treatment 5-2-64
 - MB at NAP treatment 5-2-4
 - vapor heat treatment 5-2-67, 5-2-68, 5-2-69, 5-2-70
 - Bactrocera jarvisi**
 - irradiation treatment 5-2-64
 - Bactrocera occipitalis**
 - vapor heat treatment 5-2-68
 - Bactrocera philippinensis**
 - vapor heat treatment 5-2-68
 - Bactrocera tryoni**
 - cold treatment 5-2-73
 - cold treatment followed by MB at NAP

- 5-2-80
- fumigation plus cold treatment 5-2-77
- irradiation treatment 5-2-64
- MB at NAP followed by cold treatment 5-2-79
- bags and bagging material** 5-4-19
 - for cotton only 5-4-18
 - for small grains 5-6-5
 - for soil-grown commodities 5-6-4
 - for unroasted coffee beans 5-4-20
 - to contain root crops 5-4-18
 - treatment schedules for 5-4-18, 5-5-21
- baking powder**
 - restricted MB fumigation item 2-3-8
- Balances (portable) for weighing individual fruit** H-1-15
- baled hay** 5-4-28
 - treatment options 5-4-28
- baled lint** 5-4-2
- Baltimore Quality Associates, Inc. (BQA)**
 - vacuum chamber manufacturers 6-2-5
- banana** 5-2-5, 5-2-61, 5-2-62
 - FIFRA section 18 exemption 2-3-3
 - from Hawaii 5-2-65, 5-2-66
 - root 5-3-20
- barges** 5-5-21
- Baris lepidii**
 - MB in 15" vacuum treatment 5-2-31
- bark/engraver beetle**
 - kiln sterilization treatment 5-5-17
- bark-gnawing beetle**
 - kiln sterilization treatment 5-5-17
- basil** 5-2-29
- batch system** 3-3-4
- Batch Systems** H-1-15
- bay leaf** 5-2-29
- bean** 5-2-61, 5-2-62
 - dry 5-2-5
- bee**
 - kiln sterilization treatment 5-5-17
- beet** 5-2-6, 5-2-61, 5-2-62
- Begonia** 5-6-15, 5-6-17
- bell pepper** 5-2-67
- Berberis** 5-3-9
- bess beetle**
 - kiln sterilization treatment 5-5-17
- black curaway** 5-2-29
- black fruit fly**
 - forced hot air treatment 5-2-58
- black pepper** 5-2-29
- blackberry** 5-2-7, 5-2-61, 5-2-62
 - FIFRA section 18 exemption 2-3-3
- blended strip tobacco for export** 5-4-22
- Bletilla hyacinthina** 5-6-15, 5-6-18
- Blower** H-1-18
- blueberry** 5-2-7, 5-2-61, 5-2-72
- blueprints**
 - restricted MB fumigation item 2-3-8
- body weight (bw)** 7-4-10
- Boeing Commercial Aeroplane Group** 5-5-29
- boilers and thermostatic controls** 3-3-6
 - adequate water heating capacity 3-3-6
 - multiple set point option 3-3-6
 - thermostatic controls 3-3-6
- boll weevil**
 - MB at NAP/tarpaulin only treatment 5-4-5
 - phosphine at NAP treatment 5-4-5
- bone meal**
 - restricted MB fumigation item 2-3-8
- Bootonomyia spp.**
 - MB in 26" vacuum treatment 5-3-31
- borage** 5-2-29
- Borago officinalis** 5-2-29
- borer**
 - Chlorpyrifos spray treatment 5-5-13
 - dry heat treatment 5-4-9
 - MB at NAP treatment 5-5-19
 - MB at NAP/chamber only treatment 5-4-9
 - MB in 15" vacuum treatment 5-3-4, 5-3-10, 5-3-14, 5-4-17
 - MB in 26" vacuum treatment 5-3-7
 - SF at NAP treatment 5-5-16
- Bostrichidae**
 - kiln sterilization treatment 5-5-17
- box and package**
 - aeration 2-3-5
 - penetration 2-3-5
- Brachycerus spp.**
 - MB in 15" vacuum treatment 5-3-20
 - MB in 15" vacuum/chamber only treatment 5-2-24
- Brachyrhinus larvae**
 - MB in 26" vacuum treatment 5-3-20
- Bradybaena**
 - cold treatment 5-5-10
 - MB at NAP treatment 5-5-9
- Bradybaenidae**

- cold treatment 5-5-10
 - MB at NAP treatment 5-5-9
- branch borer
 - kiln sterilization treatment 5-5-17
- Brassica albogiabra* 5-2-8
- Brassica campestris* 5-2-9, 5-2-12
- Brassica chinensis* 5-2-11
- Brassica juncea* 5-2-29, 5-2-36
- Brassica napus* 5-2-44
- Brassica oleracea* 5-2-10
- Brassica oleracea* var. *acephala* 5-2-21, 5-2-31
- Brassica oleracea* var. *botrytis* 5-2-8, 5-2-14, 5-2-15
- Brassica oleracea* var. *gemmifera* 5-2-9
- Brassica oleracea* var. *gongyiodes* 5-2-32
- Brassica pekinensis* 5-2-11
- Brassica rapa Japonica* group 5-2-36
- Brassica rapa Perviridis* group 5-2-37
- brassware
 - from Mumbai, India 5-5-42
- breadfruit 5-2-51
 - from Hawaii 5-2-65, 5-2-66
- break bulk cargo
 - tarpaulin fumigation 2-4-7
 - fan arrangement and operation 2-4-10
 - gas introduction lines 2-4-11
 - gas sampling tubes 2-4-12, 2-4-13
- Brevipalpus chilensis* 5-2-64
 - fumigation plus cold treatment 5-2-77
 - MB at NAP treatment 5-2-19
 - soapy water and wax treatment 5-2-51, 5-2-52, 5-2-56
- broccoli 5-2-8
 - Chinese 5-2-8
- broccoli raap 5-2-9
- bromeliads 5-3-3, 5-3-4, 5-3-11, 5-6-8
- broomcorn and broomcorn articles 5-4-25, 5-4-26, 5-6-19
 - treatment options 5-4-25, 5-6-19
- brooms
 - made of rice straw 5-6-12
- Bruchidae 5-2-24, 5-3-34
 - MB at NAP treatment 5-2-5, 5-2-34, 5-2-40, 5-2-43, 5-3-34
 - MB in 26" vacuum treatment 5-3-30
 - MB in 26" vacuum/chamber only treatment 5-2-24
- Bruchophagus spp.
 - MB in 26" vacuum treatment 5-3-32
- brussels sprouts 5-2-9
- Bubble Fumigation System H-1-18
- bulb nematode
 - hot water dip treatment 5-6-19
 - other treatment options 5-6-14, 5-6-16
- bulb scale mite
 - hot water treatment 5-3-23
 - MB at NAP treatment 5-3-23
- bulbs 5-6-14, 5-6-15
- bulbs, corms, tubers, rhizomes, and roots 5-3-20
- Bulinidae
 - hot water treatment 5-3-3
- bumet 5-2-29
- Buprestidae
 - kiln sterilization treatment 5-5-17
- butter
 - restricted MB fumigation item 2-3-8
- bw 7-4-10
- C**
- CA 7-4-9
- cabbage 5-2-10, 5-2-61, 5-2-62
 - Chinese 5-2-11
 - Chinese mustard 5-2-12
- cabbageworm
 - MB at NAP treatment 5-5-13
- cacti 5-3-4, 5-3-11
- cactus 5-6-15
- cactus fruit 5-2-61
- Calendula officinalis* 5-2-29
- Calibration of Temperature Probes (Cold Treatment) A-1-7
- California
 - state hazardous waste management agencies 7-3-12
- Calla
 - rhizomes 5-6-16
- calliopsis 5-6-15
- Camellia 5-3-9, 5-6-9
- camomile 5-2-29
- Campanula 5-6-15
- Candidula 5-5-5, 5-5-7, 5-5-10
- cantaloupe 5-2-12, 5-2-61, 5-2-62
- cape gooseberry 5-2-72
- caper buds 5-2-29
- Capparis spinosa* 5-2-29
- Capsicum* spp.
 - from Hawaii 5-2-65

- Caracollina**
 MB at NAP treatment 5-5-5, 5-5-8
carambola 5-2-73, 5-2-75
 from Hawaii 5-2-65
caraway 5-2-29
carbon dioxide 2-10-4, 7-4-9
cardamom 5-2-29
Caribbean fruit fly
 irradiation treatment 5-2-64
carpenter ant
 kiln sterilization treatment 5-5-17
 SF at NAP treatment 5-5-16
carpenter bee
 kiln sterilization treatment 5-5-17
 SF at NAP treatment 5-5-16
carpenter worm
 kiln sterilization treatment 5-5-17
Carposina niponensis
 cold treatment followed by MB at NAP
 5-2-81
carrot 5-2-13, 5-2-61, 5-2-62
Carum carvi 5-2-29
Caryedon spp. 5-3-32
CAS 7-4-10
Cascade Air Tank Recharging System (SCBA) H-1-19
cassava 5-2-14
 manihot 5-2-14
 yuca 5-2-14
cassia bark 5-2-29
cassia buds 5-2-29
Casurina
 seeds of 5-3-31
Cathaica 5-5-9, 5-5-10
catnip 5-2-29
cattleya fly
 MB in 15" vacuum treatment 5-3-14
CATTS 5-7-1
cauliflower 5-2-14
Caulophilus latinasus
 MB in 26" vacuum treatment 5-3-25
Cavalo broccolo 5-2-15
cc 7-4-10
Cecidomyid galls 5-3-14
celeriac
 celery root 5-2-15
celery 5-2-61, 5-2-62
 above-ground parts 5-2-16
celery seed 5-2-29
central nervous system (CNS) 7-4-11
Cepaea
 cold treatment 5-5-10
 MB at NAP treatment 5-5-5, 5-5-8
Cerambycidae
 kiln sterilization treatment 5-5-17
Cerambycids
 Chlorpyrifos spray treatment 5-5-13
Ceratitis capitata 5-2-59
 cold treatment 5-2-72
 cold treatment followed by MB at NAP
 5-2-80
 forced hot air treatment 5-2-57, 5-2-59
 fumigation plus cold treatment 5-2-77
 hot water immersion treatment 5-2-53,
 5-2-54
 irradiation treatment 5-2-64
 MB at NAP followed by cold treatment
 5-2-79
 MB at NAP treatment 5-2-4, 5-2-7,
 5-2-19, 5-2-26, 5-2-32, 5-2-47,
 5-2-48
 vapor heat treatment 5-2-67, 5-2-68,
 5-2-69, 5-2-70
Ceratitis rosa
 cold treatment 5-2-72, 5-2-74
CERCLA 7-4-10
Cercospora mamaonis
 hot water dip treatment 5-6-17
Cercospora spp.
 Bordeaux dip or spray treatment 5-6-3
 treatment options 5-6-3
cereal leaf beetle
 phosphine at NAP treatment 5-4-28
Cernuella
 cold treatment 5-5-10
 MB at NAP treatment 5-5-5, 5-5-7
certifying
 atmospheric fumigation chambers 6-3-1
 facilities 6-1-1
 forced hot air treatment facilities 6-7-1
 heat treatment of firewood facilities
 6-9-1
 hot water immersion treatment facilities
 6-5-1
 irradiation treatment facilities 6-8-1
 vacuum fumigation chambers 6-2-1
 vapor heat treatment facilities 6-7-1
Cestrum 5-6-15
Chain Hoist (electronic) H-1-19
charcoal
 restricted MB fumigation item 2-3-8



- chayote 5-2-61, 5-2-62
fruit only 5-2-16
- ChE 7-4-10
- Chemical Abstracts Service (CAS) 7-4-10
- chemical treatments
fumigants 2-2-1
characteristics of 2-2-1
introduction to 2-2-1
overview of 2-1-1
- CHEMTREC 7-4-11
- cherimoya
from Chile 5-2-51
- cherry 5-2-16, 5-2-17, 5-2-61, 5-2-62, 5-2-72, 5-2-73, 5-2-77
- chervil 5-2-29
- chestnut 5-2-17, 5-2-61, 5-2-62, 5-3-26
- chestnut dioon 5-3-7
- chicory 5-2-61, 5-2-62
above-ground parts 5-2-18
root 5-2-18
- Chilean false spider mite of grapes
MB at NAP treatment 5-2-19
soapy water and wax treatment 5-2-51, 5-2-52, 5-2-56
- Chinese chive 5-2-29
- chive 5-2-29
- chloropicrin
poisoning 7-1-3
- cholinesterase (ChE) 7-4-10
- Christmas trees 5-6-3
treatment schedules for 5-4-37
- Chrysanthemum 5-6-16
- chrysanthemum 5-6-3
- Chrysanthemum balsamita 5-2-29
- Chrysanthemum spp. 5-3-11
rooted and unrooted cuttings 5-3-5
- chrysomelid beetle
MB in 15" vacuum/chamber only treatment 5-2-19
- Chrysomya spp. 5-6-3, 5-6-4, 5-6-6
- cigarette beetle
Kabat application treatment 5-4-22
MB in 28" vacuum treatment 5-4-23
vacuum steam flow treatment 5-4-22
- Cimicifuga 5-6-15, 5-6-18
- cinder blocks
restricted MB fumigation item 2-3-8
- Cinnamomum aromaticum 5-2-29
- Cinnamomum verum 5-2-29
- cinnamon 5-2-29
- cipollini 5-2-61, 5-2-62
bulbs 5-2-19
- Cissus 5-6-15
- citron 5-2-61, 5-2-62
- citrus 5-2-74
from citrus canker countries 5-6-10
from Hawaii 5-2-57
from Mexico and infested U.S. areas 5-2-57
from U.S. 5-2-19
seeds of 5-3-33
- citrus blackfly
MB at NAP treatment 5-2-27, 5-3-11
- citrus canker
hot water treatment plus chemical dip 5-3-33
- citrus whitefly
MB at NAP treatment 5-3-9, 5-3-12
- citrus whitefly hosts
MB at NAP treatment 5-3-9
- clary 5-2-29
- Clean Water Act (CWA) 7-4-11
- clear-winged moth
kiln sterilization treatment 5-5-17
- Clematis 5-6-15
- clementine 5-2-61, 5-2-62, 5-2-72, 5-2-73
from Chile 5-2-19
from Mexico 5-2-67, 5-2-68
from Mexico and U.S. quarantine areas 5-2-20
- clove buds 5-2-29
- CNS 7-4-11
- CO₂ fire extinguishers
precautions 2-11-4
- Coast Guard regulations B-1-1
- Cochlicella
cold treatment 5-5-10
MB at NAP treatment 5-5-5, 5-5-7
- cocoa bean 5-2-61
- coconut 5-2-61, 5-2-62
whole, without husk 5-2-21
- codling moth
CATTS treatment 5-7-2, 5-7-3
irradiation treatment 5-2-64
MB at NAP/chamber only treatment 5-2-17
- Cold treatment
integral containers used for cold treatment 6-4-12-??
temperature recording instruments standards 6-4-15-??

- vessels used for intransit cold treatment
 - 6-4-2-??
 - approval requirements 6-4-4-??
 - temperature recording systems standards 6-4-2-??
 - warehouses used for 6-4-15-??
- coles 5-2-20
- collard greens 5-2-21
- Colorado
 - state hazardous waste management agencies 7-3-12
- Colosius
 - MB at NAP treatment 5-3-6, 5-5-8
- commercial line conditioner 3-3-5
- commodity injury 5-2-1
- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) 7-4-10
- conifer seed 5-3-26, 5-3-27
- Connecticut
 - state hazardous waste management agencies 7-3-12
- Conogethes punctiferalis
 - cold treatment followed by MB at NAP 5-2-81
- Conopomorpha sinensis
 - cold treatment 5-2-75
- Conotrachelus spp.
 - MB in 26" vacuum treatment 5-3-25
- Conotrachleus nenuphar 5-2-64
- Consultants (hot water immersion treatments) H-1-20
- containerized cargo
 - methyl bromide 2-4-13
 - tarpaulin fumigation 2-4-7
 - fan arrangement and operation 2-4-11
 - gas introduction lines 2-4-11
 - gas sampling tubes 2-4-13
- containers 5-5-21, 5-6-7
 - approved for intransit cold treatment F-1-1
 - used 5-5-22
- continuous flow system 3-3-4
- Contracting Officer's Representative (COR) 7-4-11
- controlled atmosphere (CA) storage 7-4-9
- Controlled Atmosphere Temperature Treatment System (CATTS) 5-7-1
- contruction equipment 5-5-21
 - without cabs 5-5-22
- Convallaria 5-6-14
- conversion tables D-1-1
- Convolvus japonicus 5-6-15
- Copitarsia spp.
 - MB at NAP treatment 5-2-3, 5-2-5, 5-2-7, 5-2-35, 5-2-42, 5-2-45
- copra 5-2-21
- Copturus agyacatae
 - MB in 26" vacuum treatment 5-3-25
- COR 7-4-11
- coriander 5-2-29
- Coriandrum sativum 5-2-29
- corn
 - on-the-cob 5-2-21, 5-2-61, 5-2-62
 - related diseases, treatment schedules for 5-6-10
 - seed, nonpropagative 5-6-10
 - seed, not for food, feed, or oil purposes 5-6-10
 - shelled 5-4-12
 - shelled and contaminated with cottonseed 5-4-12
- corrugated cartons
 - methyl bromide fumigation 2-3-6
- Corytholoma 5-6-15
- CosMed Group
 - vacuum chamber manufacturers 6-2-4
- Cossidae
 - kiln sterilization treatment 5-5-17
- costmary 5-2-29
- cotton and cotton products 5-4-5
 - samples of 5-4-7
 - treatment schedules for 5-4-2
- cottonseed 5-4-2, 5-4-3, 5-4-6, 5-4-7
 - bagged, packaged, bulk 5-3-27, 5-3-28
 - hulls 5-4-6, 5-4-7
 - meal 5-4-4, 5-4-6, 5-4-7
- covers
 - for small grains 5-6-5
 - for soil-grown commodities 5-6-4
 - for wheat 5-6-6
- cowpea
 - from Hawaii 5-2-66
- CPK 7-4-11
- creatine phosphokinase (CPK) 7-4-11
- cricket
 - residual insecticidal spray treatment 5-5-4
- crocus 5-6-18
- Crocus sativus 5-2-29
- Cryptomphalus

- MB at NAP treatment 5-5-5, 5-5-8
- Cryptophlebia illepidata* 5-2-64
- MB at NAP treatment 5-3-30
- Cryptophlebia ombrodelta* 5-2-64
- cu.m 7-4-11
- cubic centimeter (cc) 7-4-10
- cubic meter (cu.m) 7-4-11
- cucumber 5-2-22, 5-2-61, 5-2-62
- cucurbit seed
- FIFRA section 18 exemption 2-3-3
- cucurbit vegetables not on Q-label
- FIFRA section 18 exemption 2-3-3
- Cucurbita* spp.
- from Hawaii 5-2-65
- culantro 5-2-29
- cumin 5-2-29
- Cuminum cyminum* 5-2-29
- Curculio caryae*
- cold treatment 5-2-75
- Curculio* spp.
- MB at NAP treatment 5-2-17, 5-4-8
- MB in 26" vacuum/chamber only treatment 5-2-17, 5-4-8
- Curculionidae
- kiln sterilization treatment 5-5-17
- Curcuma* 5-6-15
- curry 5-2-29
- curry leaf
- from Hawaii 5-2-65
- Curtains (air, safeguarding) H-1-22
- Cuscuta* spp.
- dry heat treatment 5-5-41
- steam heat treatment 5-5-42
- cut
- conifer Christmas trees 5-4-37
- flowers and greenery 5-4-17, 5-4-18
- treatment schedules for 5-4-17
- pine Christmas trees 5-4-37
- pine logs 5-4-37
- CWA 7-4-11
- cycads 5-3-6, 5-3-9, 5-3-11
- Cyclamen* 5-6-15
- cyclamen mite
- MB in 15" vacuum treatment 5-3-11
- Cydia fabivora*
- MB at NAP treatment 5-2-28
- MB in 15" vacuum/chamber only treatment 5-2-28
- Cydia pomonella*
- CATTS treatment 5-7-2, 5-7-3
- irradiation treatment 5-2-64
- MB at NAP/chamber only treatment 5-2-17
- Cydia splendana*
- MB at NAP treatment 5-2-17, 5-4-8
- MB in 26" vacuum/chamber only treatment 5-2-17, 5-4-8
- Cylas formicarius elegantulus*
- irradiation treatment 5-2-64
- Cylindrosporium camalliae*
- treatment options 5-6-9
- Cymbopogon citratus* 5-2-29
- cyst nematode
- hot water treatment 5-6-15
- Cytec 2-10-36
- Cytisus 5-6-15
- D**
- dahlia 5-6-15
- Daphne* spp. 5-3-9
- dasheen 5-2-22, 5-2-23, 5-2-61, 5-2-62
- FIFRA section 18 exemption 2-3-3
- deciduous woody plants
- dormant 5-3-6, 5-3-7
- Degesch Fumi-Cel 5-4-39, 5-5-47
- Degesch Fumi-Strip 5-4-39, 5-5-47
- Degesch Phostoxin 5-4-39, 5-5-47
- Degesch Phostoxin Tablet Prepac Rope 5-4-39, 5-5-47
- Delaware
- state hazardous waste management agencies 7-3-13
- deoxyribonucleic acid (DNA) 7-4-11
- Deroceras*
- MB at NAP treatment 5-3-6, 5-5-8
- detector kits 8-1-23
- Detia 5-4-39, 5-5-47
- Detia Gas EX-B 5-4-39, 5-5-47
- Detia Rotox AP 5-4-39, 5-5-47
- DHEW 7-4-11
- Dialeurodes citri*
- MB at NAP treatment 5-3-9, 5-3-12
- Dialeurodes citri* foliated host plants
- treatment options 5-3-9
- Dialeurodes citri* nonfoliated host plants
- treatment options 5-3-12
- Dicentra 5-6-15
- Dieffenbachia* spp. 5-3-8, 5-3-11
- Digital Thermister Instrument and Portable Sensors H-1-22

- Digitaria* spp.
 - dry heat treatment 5-5-41
- dill 5-2-29
- Dinoderus*
 - Chlorpyrifos spray treatment 5-5-13
- dioon edule* 5-3-7
- Dioscorea* spp. 5-2-49, 5-3-25
- dip treatment
 - equipment 2-12-1
 - procedures
 - clean up 2-12-4
 - designate restricted use areas 2-12-3
 - dip plants 2-12-4
 - disinfect original shipping containers 2-12-4
 - dry plants 2-12-4
 - plan 2-12-3
 - prepare pesticide solution 2-12-3
 - prepare plant material 2-12-3
 - release cargo 2-12-4
 - remove plants 2-12-4
 - responsibilities 2-12-5
- Diplosolenodes*
 - MB at NAP treatment 5-3-6, 5-5-8
- Directory of commercial suppliers H-1-1-??
- Disinfectants H-1-32
- District of Columbia
 - state hazardous waste management agencies 7-3-13
- Ditylenchus destructor*
 - hot water treatment 5-6-18
 - other treatment options 5-6-14, 5-6-16
- Ditylenchus dipsaci*
 - hot water treatment 5-6-19
 - other treatment options 5-6-16
 - presoak treatment 5-6-14
- DNA 7-4-11
- dosage calculations
 - preparation 2-4-18
- dose mapping 3-8-5
- dosimetry 3-8-5
- DOT 7-4-11
- downy mildews infestation
 - treatment options 5-6-5
- Dracaena* spp. 5-3-8, 5-3-11, 5-6-15
- dragon fruit
 - from Hawaii 5-2-65, 5-2-66
 - from Viet Nam 5-2-66
- dried coconut 5-2-21
- dried mint
 - FIFRA section 18 exemption 2-3-3
- Drierite 8-1-4
- Drierite (anhydrous calcium sulfate) H-1-22
- Drierite® H-1-22
- drinking water (DW) 7-4-11
- drying tube
 - thermal conductivity gas analyzers 8-1-3
- durian 5-2-51
- dusts 2-13-1
- DW 7-4-11
- Dyspessa ulula*
 - MB in 15" vacuum treatment 5-3-20
 - MB in 15" vacuum/chamber only treatment 5-2-24
- E**
 - ear corn 5-4-9
 - earwig
 - MB at NAP treatment 5-2-61
 - ECO2FUME 2-10-9
 - edible podded legume vegetables
 - FIFRA section 18 exemption 2-3-3
 - eggplant 5-2-61, 5-2-62, 5-2-67
 - from Ghana 5-2-66
 - from Hawaii 5-2-65
 - electrical generator 3-3-5
 - electrical power supply
 - tarapulin fumigation sites 2-4-6
 - electronic equipment
 - restricted MB fumigation item 2-3-8
 - Elettaria cardamomum* 5-2-29
 - emerald ash borer
 - heat treatment 5-4-38
 - quarantine areas 5-4-38
 - empty holds 5-5-3
 - endive 5-2-23, 5-2-61, 5-2-62
 - Environmental Protection Agency (EPA) 7-4-11
 - EPA 7-4-11
 - Ephestia elutella*
 - Kabat application treatment 5-4-22
 - MB in 28" vacuum treatment 5-4-23
 - vacuum-steam flow treatment 5-4-22
 - Epimendium pinnatum* 5-6-15, 5-6-18
 - Epinotia aporema*
 - MB at NAP treatment 5-2-28
 - MB in 15" vacuum/chamber only treatment 5-2-28
 - Epiphyas* spp.
 - cold treatment followed by MB at NAP

- 5-2-80
 MB at NAP followed by cold treatment
 5-2-79
- Equipment**
 reference guide to commercial suppliers
 H-1-1-??
- Eryngium foetidum** 5-2-29
- ethrog** 5-2-61, 5-2-62, 5-2-72, 5-2-73
- ETO Sterilization (ETO)**
 vacuum chamber manufacturers 6-2-5
- Eugenia caryophyllata** 5-2-29
- Euonymus alata** 5-6-15
- Eupatorium** 5-6-15
- Euphorbia** 5-6-15
- European cherry fruit fly**
 MB at NAP treatment 5-3-33
- European corn borer**
 MB at NAP treatment 5-2-21, 5-2-43,
 5-4-26
 MB at NAP/chamber only treatment
 5-4-25
 steam sterilization treatment 5-4-26
- European pine shoot moth**
 MB at NAP treatment 5-3-15
- Eurytoma spp.**
 hot water treatment 5-3-14
 MB in 26" vacuum treatment 5-3-32
- Euscepes postfasciatus**
 irradiation treatment 5-2-64
- evergreens** 5-3-9
- Exhaust Duct** H-1-23
- exhaust outlet**
 thermal conductivity gas analyzers 8-1-3
- exhausting gas**
 conducting fumigation 2-4-36
- Exosoma lusitanica**
 MB in 15" vacuum/chamber only treat-
 ment 5-2-19
- exotic legume pod borer** 5-2-28
 MB in 15" vacuum/chamber only treat-
 ment 5-2-28
- external feeder**
 hot water treatment 5-3-20
 Malathion-carbaryl chemical dip treat-
 ment 5-3-5
 MB at NAP treatment 5-2-3, 5-2-5,
 5-2-6, 5-2-7, 5-2-8, 5-2-9,
 5-2-10, 5-2-11, 5-2-12, 5-2-13,
 5-2-14, 5-2-15, 5-2-16, 5-2-18,
 5-2-19, 5-2-20, 5-2-21, 5-2-22,
 5-2-23, 5-2-25, 5-2-27, 5-2-30,
 5-2-31, 5-2-32, 5-2-33, 5-2-35,
 5-2-36, 5-2-37, 5-2-39, 5-2-40,
 5-2-41, 5-2-42, 5-2-43, 5-2-44,
 5-2-45, 5-2-46, 5-2-47, 5-2-48,
 5-2-49, 5-2-50, 5-3-3, 5-3-4,
 5-3-6, 5-3-9, 5-3-10, 5-3-13,
 5-3-16, 5-3-17, 5-3-26, 5-3-31,
 5-4-17
 MB at NAP/chamber only treatment
 5-3-8, 5-3-24, 5-3-27
 MB at NAP/tarpaulin only treatment
 5-3-17, 5-3-24, 5-3-28
 MB in 15" vacuum treatment 5-3-6,
 5-3-22
 MB in 16" vacuum/chamber only treat-
 ment 5-3-28
 MB in 26" vacuum treatment 5-3-7
 phosphine at NAP 5-3-28
 warm, soapy water treatment 5-2-51
- F**
- FAA** 7-4-11
- facepiece** 8-1-17
 negative pressure test 8-1-18
 positive pressure test 8-1-18
- Fairchild Aerospace Corp.** 5-5-29
- false codling moth**
 cold treatment 5-2-74
- false red spider mite**
 fumigation plus cold treatment 5-2-77
 irradiation treatment 5-2-64
- Fans** H-1-24
- farm equipment**
 used 5-5-21
 without cabs 5-5-22
- fava bean**
 dried 5-2-24, 5-2-61, 5-2-62
- feather pillows**
 restricted MB fumigation item 2-3-8
- Federal Aviation Administration (FAA)**
 7-4-11
- Federal Insecticide, Fungicide, and Ro-
 denticide Act (FIFRA)** 7-4-11
- feeds and milled products** 5-4-21
- felt**
 restricted MB fumigation item 2-3-8
- fennel** 5-2-29
- fenugreek** 5-2-29
- FIFRA** 7-4-11
- FIFRA section 18 exemptions** 5-2-1
 avocado 2-3-3
 banana 2-3-3

- blackberry 2-3-3
- cucurbit seed 2-3-3
- cucurbit vegetables not on Q-label 2-3-3
- dasheen 2-3-3
- dried mint 2-3-3
- edible podded legume vegetables 2-3-3
- fresh herbs 2-3-3
- fresh mint 2-3-3
- fresh spices 2-3-3
- gherkin 2-3-3
- ivy gourd 2-3-3
- kiwi 2-3-3
- leafy vegetables not on Q-label 2-3-3
- longan 2-3-3
- lychee fruit 2-3-3
- opuntia 2-3-3
- plantain 2-3-3
- pointed gourd 2-3-3
- rambutan 2-3-3
- raspberry 2-3-3
- roots not on Q-label 2-3-3
- tubers not on Q-label 2-3-3
- final reading**
 - methyl bromide 2-4-23
- first aid with rescue breathing** 7-1-2, 7-2-2
- flag smut**
 - dry heat treatment 5-6-5, 5-6-6
 - steam treatment 5-6-5, 5-6-6
- flat-headed borer**
 - kiln sterilization treatment 5-5-17
- Florida**
 - state hazardous waste management agencies 7-3-13
- flow rate adjustment**
 - thermal conductivity gas analyzers 8-1-3
- flow rate meter**
 - thermal conductivity gas analyzers 8-1-3
- Foeniculum vulgare** 5-2-29
- foliar nematode**
 - hot water treatment 5-6-15, 5-6-19, 5-6-20
 - treatment options 5-6-18
 - on Begonia and Oryza 5-6-17
 - on Fragaria 5-6-20
 - on Senecio 5-6-19
- forced hot air treatment** 3-5-1, 6-7-1
 - niger seed 3-6-1
- forced hot air treatment facilities**
 - calibrating permanent temperature sensors 6-7-4
 - calibrating portable temperature sensors 6-7-4
- certification of 6-7-1
- conducting test treatment 6-7-7
- documentation 6-7-8
- plan and process approval 6-7-2
- preliminary performance testing 6-7-3
- Foreign treatment facilities protocols** 6-5-7-??
- Formicidae**
 - kiln sterilization treatment 5-5-17
- forms**
 - APHIS Form 205-R, Instructions and Worksheet for Calibrating Portable Temperature Sensors A-1-3
 - APHIS Form 2061, Residue Sample for Food or Feed Product A-1-2
 - APHIS Form 206-R, Test of the Accuracy of the Permanent RTD Sensors Installed in Hot Water Tanks A-1-4
 - APHIS Form 207-R, Sensor Location Diagram Fruit Weights and Pulp Temperatures A-1-5
 - APHIS Form 208, Performance Test for Mango Hot Water Immersion Tank A-1-6
 - Calibration of Temperature Probes (Cold Treatment) A-1-7
 - Location of Temperature Sensors in Containerized Cargo (Cold Treatment) A-1-8
 - PPQ Form 203, Foreign Site Certificate of Inspection and/or Treatment A-1-28
 - PPQ Form 429, Fumigation Record A-1-9
 - PPQ Form 519, Compliance Agreement A-1-13
 - PPQ Form 523, Emergency Action Notification A-1-16
 - PPQ Form 556, Intransit Cold Treatment Clearance Report A-1-31
- Fragaria** 5-6-15, 5-6-17, 5-6-20
- Fraxinus** 5-4-38
- fresh herbs**
 - FIFRA section 18 exemption 2-3-3
- fresh mint**
 - FIFRA section 18 exemption 2-3-3
- fresh spices**
 - FIFRA section 18 exemption 2-3-3
- Fruit Crates (plastic)** H-1-24
- fruit fly**

- depulping treatment 5-3-34
- MB at NAP treatment 5-5-2
- Fruit Sizing Equipment H-1-24
- fruit tree spider mite
 - cold treatment followed by MB at NAP 5-2-81
- Fruit, imported
 - foreign treatment facilities protocols 6-5-7-??
- fruit-sizing equipment 3-3-5
- fumigant safety 7-1-4, 7-1-6
- fumigant selector switch
 - thermal conductivity gas analyzers 8-1-3
- fumigants
 - physical properties of 2-2-4
 - thermal conductivity gas analyzers 8-1-14
- fumigation
 - exposure to 7-1-1
 - guidelines 2-2-3
- Fumigation Chamber (Vacuum) H-1-25
- Fumigation Chamber, NAP H-1-25
- Fumigators (commercial) H-1-26
- Fumiphos
 - bags 5-4-39, 5-5-47
 - pellets 5-4-39, 5-5-47
 - tablets 5-4-39, 5-5-47
- Fumiscope 8-1-2
- Fumitoxin 5-4-39, 5-5-47
- Fungicides H-1-26
- fungous diseases
 - steam sterilization treatment 5-4-14
- fungous rice diseases
 - dry heat treatment 5-4-14, 5-4-15
 - steam sterilization treatment 5-4-15
- furs
 - restricted MB fumigation item 2-3-8
- G**
- g 7-4-11
- Galium odorata 5-2-29
- garbage 5-5-44, 5-5-45
- Gardenia 5-6-15
- gardenia 5-6-15
- garlic 5-2-24, 5-2-61, 5-2-62, 5-3-20
- garlic beetle
 - MB in 15" vacuum treatment 5-3-20
 - MB in 15" vacuum/chamber only treatment 5-2-24
- garlic carpenterworm
 - MB in 15" vacuum/chamber only treatment 5-2-24
- Gas Analyzers H-1-28
- gas- and vapor-removing respirators 8-1-15
- Gas Detector Tube (colorimetric) and Apparatus H-1-30
- Gas Drying Tube (for Drierite) H-1-31
- gas introduction
 - methyl bromide 2-4-20
- gas introduction lines
 - methyl bromide 2-4-11
- gas penetration and distribution
 - tarpaulin fumigation 2-4-10
- gas samples 8-1-23
- gas sampling tubes
 - methyl bromide 2-4-12
- Gastoxin 5-4-39, 5-5-47
- gastrointestinal (GI) 7-4-11
- Gaultheria procumbens 5-2-29
- Gentiana 5-6-8, 5-6-15
- Georgia
 - state hazardous waste management agencies 7-3-13
- Gerbera 5-6-15
- Germicides H-1-32
- gesneria 5-6-15
- Geum 5-6-15
- gherkin
 - FIFRA section 18 exemption 2-3-3
- GI 7-4-11
- gin trash 5-4-2, 5-4-6, 5-4-7
- ginger 5-2-61
 - rhizome 5-2-25
- ginger root 5-2-62
- Gladiolus 5-6-15, 5-6-18
- Gladiolus spp. 5-3-21
- gladiolus thrips
 - MB at NAP treatment 5-3-21
 - MB in 26" vacuum treatment 5-3-21
- glass mercury and certified precision thermometers 8-1-35
- Globodera pallida
 - hot water treatment 5-6-14, 5-6-15, 5-6-19
 - other treatment options 5-6-14
- Globodera rostochiensis
 - hot water treatment 5-6-15, 5-6-19
 - MB at NAP treatment 5-5-21, 5-5-26
 - MB at NAP/chamber only treatment 5-4-5

- MB in 26" vacuum treatment 5-4-18, 5-5-11, 5-5-14, 5-5-21, 5-5-25, 5-5-26
 - other treatment options 5-6-14
 - steam cleaning treatment 5-5-21
 - steam treatment 5-5-22
- goatskin 5-5-45, 5-5-46
- goatskin, lambskin, sheepskin
 - treatment options 5-5-45
- golden nematode 5-5-21
 - hot water treatment 5-6-15
 - MB at NAP treatment 5-5-26
 - MB at NAP/chamber only treatment 5-4-5
 - MB in 26" vacuum treatment 5-4-18, 5-5-11, 5-5-14, 5-5-21, 5-5-25, 5-5-26
 - steam treatment 5-5-22
- Gow-Mac Instrument Company 8-1-2
- grains
 - nonpropagative 5-4-11
- grains and seeds
 - nonpropagative 5-4-9, 5-4-10, 5-4-11
 - treatment options 5-4-8
 - nonpropagative and contaminated with cottonseed 5-4-10
- grains of paradise 5-2-29
- gram (g) 7-4-11
- grape 5-2-26, 5-2-61, 5-2-62, 5-2-72, 5-2-73, 5-2-74, 5-2-77, 5-2-79, 5-6-15
 - from Australia 5-2-80
 - from Chile 5-2-27
- grapefruit 5-2-27, 5-2-61, 5-2-62, 5-2-72, 5-2-73
 - from Mexico 5-2-67
 - from Mexico and U.S. quarantine areas 5-2-27
- grapevine moth
 - fumigation plus cold treatment 5-2-77
- Graphognathus spp.
 - MB at NAP treatment 5-2-42
- Grapholita molesta 5-2-64
 - CATTS treatment 5-7-2, 5-7-3
- gray (Gy) 3-8-6
- green pod vegetables 5-2-28, 5-2-61, 5-2-62
- greenhouse-grown plants 5-3-10
- greenwood cuttings of woody plants 5-3-10
- Guam
 - state hazardous waste management agencies 7-3-13
- guava
 - from Mexico 5-2-66
- Guizotia abyssinica 5-5-41
- gypsy moth egg masses
 - heat treatment 5-4-38
 - MB at NAP treatment 5-4-37, 5-5-43
- H**
- Halotydeus destructor
 - MB at NAP treatment 5-2-4
- handicrafts 5-4-16
- hardwood firewood 5-4-38
- Harmolita spp.
 - MB at NAP/chamber only treatment 5-4-16
- Hawaii
 - state hazardous waste management agencies 7-3-13
- hazard communication 7-4-1
- HDT 7-4-11
- heat treatment 3-2-1
- heat treatment of firewood facilities
 - calibrating temperature sensors 6-9-3
 - certification frequency 6-9-6
 - certification of 6-9-1
 - conducting test treatment 6-9-5
 - contact information 6-9-6
 - documentation 6-9-6
 - official certification testing 6-9-3
 - plan and process approval 6-9-2
 - thermal mapping 6-9-3
- heated regulated dispenser 2-10-13
- Heilipus lauri
 - MB in 26" vacuum treatment 5-3-25
- Helicella
 - cold treatment 5-5-10
 - MB at NAP treatment 5-5-5, 5-5-7
- Helicella spp.
 - MB in 26" vacuum treatment 5-3-30
- Helicellidae
 - cold treatment 5-5-10
- Helicidae
 - cold treatment 5-5-10
 - MB at NAP treatment 5-5-8
- Helicopsis
 - MB at NAP treatment 5-5-5, 5-5-7
- Helicostyla
 - cold treatment 5-5-10
 - MB at NAP treatment 5-5-9
- Helicoverpa armigera

- MB at NAP treatment 5-2-34
- Heliopsis** 5-6-15
- Helix**
 - cold treatment 5-5-10
 - MB at NAP treatment 5-5-5, 5-5-8
- Helleborus** 5-6-15
- Hemileia spp.**
 - treatment options 5-6-9
- hemoglobin (Hgb)** 7-4-11
- herbaceous plants and cuttings** 5-3-10
- herbs and spices**
 - dried 5-2-29
 - fresh 5-2-30, 5-2-61, 5-2-62
- Hessian fly**
 - phosphine at NAP treatment 5-4-28
- Heterodera humuli**
 - hot water treatment 5-6-15
- Hevea brasiliensis**
 - seeds of 5-3-32
- Hgb** 7-4-11
- HHS** 7-4-11
- Hibiscus** 5-6-15
 - Pods and seeds of 5-3-29
- hibiscus**
 - Pods and seeds of 5-3-29
- hickory nuts** 5-2-75
- highest dose tested (HDT)** 7-4-11
- high-protein flours**
 - restricted MB fumigation item 2-3-8
- hitchhiking insect**
 - d-phenothrin aerosols treatment 5-5-28
 - MB at NAP treatment 5-2-61, 5-4-17
 - residual insecticidal spray treatment 5-5-4
- honeydew melon** 5-2-35, 5-2-61, 5-2-62
- horehound** 5-2-29
- horsehair articles**
 - restricted MB fumigation item 2-3-8
- horseradish** 5-2-31, 5-2-61, 5-2-62
 - root 5-3-22, 5-6-15
- Hosta** 5-6-15, 5-6-18
- hot water immersion treatment**
 - facility electrical components 3-3-5
 - USDA checklist 3-3-3
 - facility design 3-3-3
 - on-site inspection 3-3-3
 - proposal submission 3-3-3
- hot water immersion treatment facilities**
 - certification of 6-5-1
 - foreign treatment facility protocols 6-5-7
 - mango temperatures prior to treatment 6-5-3
 - new procedures 6-5-2
 - permanent probe temperatures 6-5-4
 - preliminary performance testing 6-5-1
- Hoya** 5-6-15
- humulus** 5-6-15
- Hyacinthus**
 - bulbs 5-6-16
- Hygromiidae**
 - cold treatment 5-5-10
- Hymenoptera**
 - kiln sterilization treatment 5-5-17
- hyssop** 5-2-29
- Hyssopus officinalis** 5-2-29
- I**
 - i.m. 7-4-11
 - i.p. 7-4-11
 - i.v. 7-4-11
- Idaho**
 - state hazardous waste management agencies 7-3-13
- Ilex** 5-3-9
- Illicium verum** 5-2-29
- Illinois**
 - state hazardous waste management agencies 7-3-13
- impermeable papers**
 - methyl bromide fumigation 2-3-5
- impervious surface**
 - methyl bromide 2-4-5
- imported crucifer weevil**
 - MB in 15" vacuum/chamber only treatment 5-2-31
- inanimate, nonfood articles with gypsy moth egg masses** 5-5-43
- incense-cedar wood wasp**
 - kiln sterilization treatment 5-5-17
- Incinerators** H-1-32
- Indiana**
 - state hazardous waste management agencies 7-3-13
- Infrared Spectroscopy Gas Monitoring Device**
 - Spectros 8-1-9
- inhalation reference dose (RfDi)** 7-4-12
- inlet**
 - thermal conductivity gas analyzers 8-1-3
- internal feeder**
 - dry heat treatment 5-4-14
 - MB at NAP treatment 5-2-34, 5-2-38,

- 5-2-40, 5-2-41, 5-2-45, 5-2-47,
5-2-49, 5-3-22, 5-3-29, 5-4-14
- MB in 15" vacuum treatment 5-2-13,
5-3-4
- MB in 15" vacuum/chamber only treat-
ment 5-2-6, 5-2-23, 5-2-25,
5-2-39, 5-2-44, 5-2-49
- MB in 26" vacuum treatment 5-3-8,
5-3-26, 5-3-27, 5-3-30, 5-3-31,
5-4-15
- MB in 26" vacuum treatment/kenaf and
okra seed only 5-3-29
- MB in 26" vacuum/chamber only treat-
ment 5-3-24
- phosphine at NAP 5-3-29
- steam sterilization treatment 5-4-14
- intramuscular (i.m.)** 7-4-11
- intraperitoneal (i.p.)** 7-4-11
- intravenous (i.v.)** 7-4-11
- ionizing radiation** 3-8-6
- Iowa**
state hazardous waste management agen-
cies 7-3-13
- Ipomoea** 5-2-47
- Ipomoea spp.** 5-3-25
- iris** 5-6-15
bulbs and rhizomes 5-6-16
- irradiation** 3-8-1, 3-8-6
documentation 3-8-5
terminology 3-8-6
treatment objectives 3-8-2
- irradiation minimum absorbed dose for**
Anastrepha ludens 5-2-64
Anastrepha obliqua 5-2-64
Anastrepha serpentina 5-2-64
Anastrepha suspensa 5-2-64
apple maggot 5-2-64
Bactrocera cucurbitae 5-2-64
Bactrocera dorsalis 5-2-64
Bactrocera jarvisi 5-2-64
Bactrocera tryoni 5-2-64
Brevipalpus chilensis 5-2-64
Caribbean fruit fly 5-2-64
Ceratitis capitata 5-2-64
codling moth 5-2-64
Conotrachelus nenuphar 5-2-64
Cryptophlebia illepada 5-2-64
Cryptophlebia ombrodelta 5-2-64
Cydia pomonella 5-2-64
Cylas formicarius elegantulus 5-2-64
Euscepes postfasciatus 5-2-64
false red spider mite 5-2-64
- Grapholita molesta* 5-2-64
- Jarvis fruit fly 5-2-64
- koa seedworm 5-2-64
- litchi fruit moth 5-2-64
- mango seed weevil 5-2-64
- Mediterranean fruit fly 5-2-64
- melon fruit fly 5-2-64
- Mexican fruit fly 5-2-64
- Omphisa anastomosalis* 5-2-64
- oriental fruit fly 5-2-64
- oriental fruit moth 5-2-64
- plum curculio 5-2-64
- Queensland fruit fly 5-2-64
- Rhagoletis pomonella* 5-2-64
- Sapote fruit fly 5-2-64
- Sternochetus mangiferae* 5-2-64
- sweet potato vine borer 5-2-64
- sweet potato weevil 5-2-64
- West Indian fruit fly 5-2-64
- West Indian sweet potato weevil 5-2-64
- irradiation treatment facilities**
audits 6-8-3
certificate of approval 6-8-3
certification of 6-8-1
certification requirements 6-8-1
recertification 6-8-2
- Isoptera**
kiln sterilization treatment 5-5-17
- ivy gourd**
FIFRA section 18 exemption 2-3-3
- J**
- jackfruit**
from Hawaii 5-2-65, 5-2-66
- Jarvis fruit fly** 5-2-64
- Jasminum** 5-6-15
- Jerusalem artichoke** 5-2-61, 5-2-62
- jointworm**
MB at NAP/chamber only treatment
5-4-16
- juniper berry** 5-2-29
- Juniperus communis** 5-2-29
- K**
- kaempferia** 5-6-15
- Kalanchoe synsepala** 5-3-11
- kale** 5-2-31
- Kansas**
state hazardous waste management agen-
cies 7-3-13
- Kanzawa mite**
cold treatment followed by MB at NAP

- 5-2-81
- kenaf**
pods and seeds of 5-3-29
- Kentucky**
state hazardous waste management agencies 7-3-13
- kg** 7-4-11
- khapra beetle**
aircraft treatment 5-5-28
heat treatment 5-4-21
Malathion spray treatment 5-5-3
MB at NAP treatment 5-3-30, 5-4-4, 5-4-19, 5-5-6, 5-5-11, 5-5-19, 5-5-42
MB at NAP/chamber only treatment 5-4-2
MB at NAP/tarpaulin only treatment 5-4-2, 5-4-3, 5-4-9, 5-5-45
MB at NAP/tarpaulin-covered car treatment 5-5-2, 5-5-6
MB in 26" NAP/chamber only treatment 5-4-10
MB in 26" vacuum treatment 5-4-19, 5-5-46
MB in 26" vacuum/chamber only treatment 5-4-10, 5-5-46
- khapra beetle-infested material**
treatment options 5-4-21
- kilogram (kg)** 7-4-11
- kiwi** 5-2-32, 5-2-61, 5-2-62, 5-2-72, 5-2-73, 5-2-77
FIFRA section 18 exemption 2-3-3
- Kniphofia** 5-6-15
- koa seedworm**
irradiation treatment 5-2-64
MB at NAP treatment 5-3-30
- Kodo millet** 5-5-41
- kohleria** 5-6-15
- kohlrabi** 5-2-32
- kraft paper**
methyl bromide fumigation 2-3-6
- kumquat** 5-2-61, 5-2-62
- L**
- L** 7-4-11
- lablab bean** 5-2-28
- lambskin** 5-5-45, 5-5-46
treatment options 5-5-45
- lard**
restricted MB fumigation item 2-3-8
- Lasioderma serricorne**
Kabat application treatment 5-4-22
MB in 28" vacuum treatment 5-4-23
vacuum-steam flow treatment 5-4-22
- Laurus nobilis** 5-2-29
- Lavandula spp.** 5-3-9, 5-3-11
- lavender** 5-2-29
- Lavendula officinalis** 5-2-29
- LC50** 7-4-11
- LCLO** 7-4-11
- LD50** 7-4-11
- LDLO** 7-4-11
- LDT** 7-4-11
- leaf miner**
hot water treatment 5-3-5, 5-3-14
MB at NAP treatment 5-2-8, 5-2-9, 5-2-10, 5-2-11, 5-2-12, 5-2-14, 5-2-15, 5-2-20, 5-2-21, 5-2-28, 5-2-30, 5-2-31, 5-2-32, 5-2-33, 5-2-36, 5-2-37, 5-2-38, 5-2-44, 5-2-45, 5-2-48, 5-2-61, 5-3-10, 5-4-17
MB in 15" vacuum/chamber only treatment 5-2-28
- leaf tobacco for export** 5-4-22
- leafy vegetables** 5-2-33, 5-2-61, 5-2-62
not on Q label
FIFRA section 18 exemption 2-3-3
- leather goods**
restricted MB fumigation item 2-3-8
- leek** 5-2-34
- Leguminosae=Fabaceae**
seeds of 5-3-32
- Leidyula**
MB at NAP treatment 5-3-6, 5-5-8
- LEL** 7-4-11
- lemon** 5-2-61, 5-2-62, 5-2-72
from Chile 5-2-19
- lemon balm** 5-2-29
- lemongrass** 5-2-29
- lentil**
dry 5-2-34
- Lepidoptera**
kiln sterilization treatment 5-5-17
MB at NAP treatment 5-5-13
- Leptosphaeria spp.**
treatment options 5-6-9
- lesion nematode**
hot water treatment 5-6-15
- lethal concentration 50 (LC50)** 7-4-11
- lethal concentration low (LCLO)** 7-4-11

- lethal dose 50 (LD50) 7-4-11
 lethal dose low (LDLO) 7-4-11
 lettuce
 from Spain 5-2-34
Levisticum officinale 5-2-29
Libium
 bulbs 5-6-19
 light brown apple moth complex
 cold treatment followed by MB at NAP
 5-2-80
 MB at NAP followed by cold treatment
 5-2-79
Lignus 5-5-7
 cold treatment 5-5-10
 MB at NAP treatment 5-5-5
 lily bulbs packed in subsoil 5-3-22
 Limacidae
 MB at NAP treatment 5-3-6, 5-5-8
Limax
 MB at NAP treatment 5-3-6, 5-5-8
 lime 5-2-52, 5-2-61, 5-2-62
 from Chile 5-2-19, 5-2-52
Limicolaria
 cold treatment 5-5-10
 MB at NAP treatment 5-5-5
 other treatment options 5-5-7
Limnaeidae
 hot water treatment 5-3-3
 line switches
 thermal conductivity gas analyzers 8-1-3
 lint 5-4-6, 5-4-7
 linters 5-4-2, 5-4-6
 litchi 5-2-35, 5-2-62, 5-2-72, 5-2-73, 5-2-75
 from Hawaii 5-2-53, 5-2-65, 5-2-68
 from Thailand 5-2-66
 litchi fruit moth
 irradiation treatment 5-2-64
 liter (L) 7-4-11
 liver-seed grass 5-5-41
 liverworts
 herbarium specimens
 in soil 5-5-25
 herbarium specimens in soil 5-5-25
 LOAEL 7-4-11
Lobesia botrana
 fumigation plus cold treatment 5-2-77
 MB at NAP treatment 5-2-26
 location of Temperature Sensors in Con-
 tainerized Cargo (cold treatment) A-1-8
 logs and firewood
 treatment schedules for 5-4-38
 Logs and lumber
 adjusting exposure period 5-4-31
 logs from gypsy moth quarantine areas
 5-4-38
longan 5-2-73, 5-2-75
 FIFRA section 18 exemption 2-3-3
 from Hawaii 5-2-53, 5-2-65
 from Thailand 5-2-66
 long-horned borer
 kiln sterilization treatment 5-5-17
Lonicera
 seeds of 5-3-33
 loquat 5-2-72
 Louisiana
 state hazardous waste management agen-
 cies 7-3-14
 lovage 5-2-29
 lower exposure limit (LEL) 7-4-11
 lowest dose tested (LDT) 7-4-11
 lowest-observed adverse effect level
 (LOAEL) 7-4-11
 lychee 5-2-35, 5-2-62, 5-2-72, 5-2-73,
 5-2-75
 FIFRA section 18 exemption 2-3-3
 from Hawaii 5-2-53, 5-2-65, 5-2-68
 from Thailand 5-2-66
 lychee fruit borer
 cold treatment 5-2-75
 lycoris 5-3-22
 Lyctidae
 kiln sterilization treatment 5-5-17
 lygaeid bug
 MB at NAP treatment 5-2-61
Lymantria dispar egg masses
 heat treatment 5-4-38
 MB at NAP treatment 5-4-37
Lymexylonidae
 kiln sterilization treatment 5-5-17
M
 m 7-4-11
macadamia nut
 seeds of 5-3-30
 mace 5-2-29
 machinery with milled surfaces
 restricted MB fumigation item 2-3-8
 magazines
 restricted MB fumigation item 2-3-8
 magnesium articles
 restricted MB fumigation item 2-3-8
 Magnesium Phosphide H-1-33

- Maine**
state hazardous waste management agencies 7-3-14
- Maintenance- Supporting and Updating the Export Certification Manual H-1-1-??**
- Mamestra brassicae**
MB at NAP treatment 5-2-34
- mandarin** 5-2-61, 5-2-62, 5-2-72
from Chile 5-2-19
- mango** 5-2-54
from Hawaii 5-2-66
from India 5-2-66
from Mexico 5-2-58
from Mexico 5-2-67
from Taiwan 5-2-69
from Thailand 5-2-66
from the Philippines 5-2-68
- mango seed weevil**
irradiation treatment 5-2-64, 5-2-66
- mangosteen**
from Hawaii 5-2-65, 5-2-66
from Thailand 5-2-66
- Manometer H-1-33**
- margin of exposure (MOE) 7-4-11**
- margin of safety (MOS) 7-4-11**
- marigold 5-2-29**
- marjoram 5-2-29**
- Marrubium vulgare 5-2-29**
- Maruca testulalis**
MB at NAP treatment 5-2-28
MB in 15" vacuum/chamber only treatment 5-2-28
- Maryland**
state hazardous waste management agencies 7-3-14
- Massachusetts**
state hazardous waste management agencies 7-3-14
- Material Safety Data Sheets (MSDS) 7-4-1**
- maximum tolerated dose (MTD) 7-4-11**
- Mayetiola destructor**
phosphine at NAP treatment 5-4-28
- McDonald-Douglas Corporation 5-5-29**
- mealybug**
hot water immersion treatment 5-2-52
MB at NAP treatment 5-2-35, 5-2-62, 5-4-18
- mechanical cotton picker and other cotton equipment 5-5-24**
treatment schedules for 5-5-24
- MED 7-4-11**
- median threshold limit (MTL) 7-4-11**
- Medicago falcata 5-6-14**
- Medicago gaetula 5-6-14**
- Medicago glutinosa 5-6-14**
- Medicago media 5-6-14**
- Medicago sativa 5-6-14**
- Mediterranean fruit fly**
cold treatment 5-2-72
cold treatment followed by MB at NAP 5-2-80
forced hot air treatment 5-2-57, 5-2-59
fumigation plus cold treatment 5-2-77
hot water immersion treatment 5-2-53, 5-2-54
irradiation treatment 5-2-64
MB at NAP followed by cold treatment 5-2-79
MB at NAP treatment 5-2-4, 5-2-7, 5-2-19, 5-2-26, 5-2-32, 5-2-47, 5-2-48
vapor heat treatment 5-2-67, 5-2-68, 5-2-69, 5-2-70
- Meghimatium**
MB at NAP treatment 5-3-6, 5-5-8
- Melissa officinalis 5-2-29**
- Meloidogyne spp.**
hot water treatment 5-6-15, 5-6-16, 5-6-17
on Chrysanthemum 5-6-16
on Rosa 5-6-17
- melon 5-2-35**
from Hawaii 5-2-65, 5-2-66
- melon fly**
cold treatment 5-2-75
forced hot air treatment 5-2-57, 5-2-59
fumigation plus cold treatment 5-2-77
irradiation treatment 5-2-64
vapor heat treatment 5-2-67, 5-2-69
- Mentha pulegium 5-2-29**
- mesquite 5-5-41**
- metal and wood surfaces 5-5-3**
- metallic borer**
kiln sterilization treatment 5-5-17
- Metam-sodium H-1-34**
- meter (m) 7-4-11**
- methyl bromide 2-3-1**
"Q labels" and section 18 exemptions 2-3-2
box and package aeration 2-3-5
box and package penetration 2-3-5

- chamber fumigation 2-5-1, 2-5-4
- container fumigations without tarpaulin 2-8-1
- corrugated cartons 2-3-6
- gas analysis 2-3-5
- humidity effects 2-3-5
- impermeable papers 2-3-5
- kraft paper 2-3-6
- leak detection 2-3-5
- plastic wrappings 2-3-5
- poisoning 7-1-3
- properties and use 2-3-1
- recapture equipment H-1-37
- recapture standards 8-1-36
- residual effect 2-3-7
- ship fumigation 2-6-1
- sorption 2-3-6
- structure fumigation 2-7-1
- tarpaulin fumigation 2-4-1
 - break bulk cargo 2-4-7
 - preparation 2-4-13
- tarpaulin fumigation sites
 - ability to heat area 2-4-5
 - aeration requirements 2-4-6
 - electrical power supply 2-4-6
 - impervious surface 2-4-5
 - nonwork area 2-4-5
 - water supply 2-4-6
 - well-lighted area 2-4-6
 - well-ventilated, sheltered area 2-4-4
- temperature effects 2-3-5
- wooden boxes 2-3-6
- Methyl Bromide 100%** H-1-35
- Mexican fruit fly**
 - cold treatment 5-2-73
 - forced hot air treatment 5-2-58
 - hot water immersion treatment 5-2-54
 - irradiation treatment 5-2-64
- mg** 7-4-11
- mg/kg** 7-4-11
- mg/L** 7-4-11
- Michigan**
 - state hazardous waste management agencies 7-3-14
- microgram (ug)** 7-4-12
- micrograms per cubic meter (ug/cu.)** 7-4-12
- micrograms per liter (ug/L)** 7-4-12
- micronized dusts** 2-11-2
 - cartridges 2-11-2
 - equipment 2-11-2
- Milacidae**
 - MB at NAP treatment 5-3-6, 5-5-8
- Milax**
 - MB at NAP treatment 5-3-6, 5-5-8
- milligram (mg)** 7-4-11
- milligrams per kilogram (mg/kg)** 7-4-11
- milligrams per liter (mg/L)** 7-4-11
- millimeters of mercury (mmHg)** 7-4-11
- minimum absorbed dose** 3-8-6
- minimum effective dose (MED)** 7-4-11
- Minnesota**
 - state hazardous waste management agencies 7-3-14
- miscellaneous cargo**
 - nonfood 5-5-7, 5-5-9
- miscellaneous cargo (nonfood and non-feed commodities)** 5-5-7, 5-5-8, 5-5-9, 5-5-10, 5-5-11, 5-5-13, 5-5-21
 - nonfood that is NOT sorptive or difficult to penetrate 5-5-11, 5-5-12
 - nonfood that IS sorptive or difficult to penetrate 5-5-12
 - treatment options 5-5-7
- Mississippi**
 - state hazardous waste management agencies 7-3-14
- Missouri**
 - state hazardous waste management agencies 7-3-14
- mite**
 - hot water treatment 5-3-5
- Mityvac hand-held vacuum pump** 8-1-33
- mizuna** 5-2-36
- mmHg** 7-4-11
- MOE** 7-4-11
- Moisture Meter (for wood)** H-1-37
- Monarcha**
 - MB at NAP treatment 5-5-5, 5-5-7
- Montana**
 - state hazardous waste management agencies 7-3-14
- Mordellistena spp.**
 - MB in 15" vacuum treatment 5-3-14
- moringa pods**
 - from Hawaii 5-2-65, 5-2-66
- MOS** 7-4-11
- mosses**
 - herbarium specimens in soil 5-5-25
- moth** 5-5-17
- mountain papaya** 5-2-67
 - from Chile 5-2-59

- MP 2-10-9
MSDS 7-4-1
MTD 7-4-11
MTL 7-4-11
Murrya koenigii 5-2-29
Muscari 5-6-19
muskmelon 5-2-35, 5-2-61, 5-2-62
mustard greens 5-2-36
mustard seed 5-2-29
mustard spinach 5-2-37
Mycosphaerella spp.
 treatment options 5-6-9
Myristica fragrans 5-2-29
- N**
naegelia 5-6-15
nanogram (ng) 7-4-12
Narcissus
 bulbs 5-6-16
narcissus 5-3-23
narrow-wasted bark beetle
 kiln sterilization treatment 5-5-17
nasturtium 5-2-29
natal fruit fly 5-2-74
 cold treatment 5-2-72, 5-2-74
National Fire Prevention Association (NFPA) 7-4-11
National Institute for Occupational Safety and Health (NIOSH) 7-4-12
National Monitoring and Residue Analysis Laboratory (NMRAL) 7-4-12
National Toxicology Program (NTP) 7-4-12
natural rubber goods
 restricted MB fumigation item 2-3-8
Nebraska
 state hazardous waste management agencies 7-3-14
nectarine 5-2-3, 5-2-37, 5-2-61, 5-2-62, 5-2-72, 5-2-74, 5-2-77, 5-7-2
nematode
 other treatment options 5-6-18
 steam cleaning treatment 5-5-27
nematode cyst
 high pressure steam cleaning treatment 5-5-2
Nepeta cataria 5-2-29
Nevada
 state hazardous waste management agencies 7-3-15
- New Hampshire
 state hazardous waste management agencies 7-3-15
New Jersey
 state hazardous waste management agencies 7-3-15
New Mexico
 state hazardous waste management agencies 7-3-15
New York
 state hazardous waste management agencies 7-3-15
Newsletters H-1-38
newspapers
 restricted MB fumigation item 2-3-8
NFPA 7-4-11
ng 7-4-12
Nigelia sativa 5-2-29
niger seed 5-5-41
 treatment facilities 3-6-1
 USDA-APHIS requirements 3-6-1
NIOSH 7-4-12
NMRAL 7-4-12
NOAEL 7-4-12
Noctuidae spp.
 MB at NAP treatment 5-2-3, 5-2-5, 5-2-7, 5-2-35, 5-2-42, 5-2-45
NOEL 7-4-12
Nonchemical treatments
 heat
 Cold Treatment (CT) 3-7-1-??
nonperishable commodities in temporary enclosures 2-2-2
nonplant articles 5-5-40, 5-6-7
nonwork area
 methyl bromide 2-4-5
no-observed adverse effect level (NO-AEL) 7-4-12
no-observed effect level (NOEL) 7-4-12
normal atmospheric pressure (NAP) chambers 2-5-4, 2-5-5
North Carolina
 state hazardous waste management agencies 7-3-15
North Dakota
 state hazardous waste management agencies 7-3-15
Northern Mariana Islands
 state hazardous waste management agencies 7-3-15

- novelties
 made from rice straw 5-6-13
 made of rice straw 5-6-12
- noxious weed seeds
 other treatment options 5-5-41
 steam heat treatment 5-5-42
- NTP 7-4-12
- nut fruit tortrix
 MB at NAP treatment 5-2-17, 5-4-8
 MB in 26" vacuum/chamber only treatment 5-2-17, 5-4-8
- nutmeg 5-2-29
- Nyctelia huttoni*
 MB at NAP treatment 5-2-32
- O**
- oak logs and lumber 5-4-30
 treatment schedules for 5-4-29
- oak wilt disease
 MB at NAP treatment 5-4-30
- Occupational Safety and Health Administration (OSHA) 7-4-1
- Ocimum basilicum* 5-2-29
- officer in charge (OIC) 7-4-12
- Ohio
 state hazardous waste management agencies 7-3-15
- OIC 7-4-12
- Oklahoma
 state hazardous waste management agencies 7-3-15
- okra 5-2-38, 5-2-61, 5-2-62
 from Ghana 5-2-66
 pods and seeds of 5-3-29
- Omalomyx unguis*
 water spray treatment 5-3-12
- Omalonyx*
 MB at NAP treatment 5-5-5, 5-5-9
- Omalonyx unguis* host plants
 treatment options 5-3-12
- Omphisa anastomosalis*
 irradiation treatment 5-2-64
- onion 5-2-38, 5-2-61, 5-2-62
- onion/garlic carpenterworm
 MB in 15" vacuum treatment 5-3-20
- onionweed
 dry heat treatment 5-5-41
- open-arm manometer 8-1-30
- Opiodothella orchidearum* 5-6-9
- opuntia 5-2-48
 FIFRA section 18 exemption 2-3-3
- oral reference dose (RfDo) 7-4-12
- orange 5-2-61, 5-2-62, 5-2-72, 5-2-73
 from Mexico 5-2-67, 5-2-68
 from Mexico and U.S. quarantine areas 5-2-38
- orchid plant pest infestation
 treatment options 5-6-9
- orchids 5-3-11, 5-6-3, 5-6-9, 5-6-11, 5-6-15
 plants and cuttings 5-3-13, 5-3-14
 to Florida 5-6-9
- Oregon
 state hazardous waste management agencies 7-3-16
- oriental fruit fly
 cold treatment 5-2-75
 forced hot air treatment 5-2-57, 5-2-59
 fumigation plus cold treatment 5-2-77
 hot water immersion treatment 5-2-53
 irradiation treatment 5-2-64
 vapor heat treatment 5-2-67, 5-2-68, 5-2-69, 5-2-70
- oriental fruit moth
 CATTs treatment 5-7-2, 5-7-3
 irradiation treatment 5-2-64
- Origanum* spp. 5-2-29
- Ornithogalum* 5-6-15, 5-6-19
- ortanique 5-2-72
- Orussidae
 kiln sterilization treatment 5-5-17
- Oryza* 5-6-17
- Oryza* spp. 5-5-41
- OSHA 7-4-1
- Osmanthus americanus*
 treatment options 5-3-9, 5-3-11
- Ostrinia nubilalis*
 MB at NAP treatment 5-2-21, 5-2-43, 5-4-26
 MB at NAP/chamber only treatment 5-4-25
 MB in 26" vacuum treatment 5-4-25
 steam sterilization treatment 5-4-26
- Otala
 cold treatment 5-5-10
 MB at NAP treatment 5-5-5, 5-5-8
- Oulema melanopus*
 phosphine at NAP treatment 5-4-28
- oxygen 7-4-9
- P**
- p.o. 7-4-12
- packaged cottonseed 5-4-7

- padding corners
methyl bromide 2-4-13
- paddy rice 5-6-17
- Paeonia 5-6-15, 5-6-18
- Pallifera
MB at NAP treatment 5-3-6, 5-5-8
- Papaver somniferum 5-2-29
- papaya 5-2-67, 5-2-69, 5-6-17
from Belize 5-2-59
from Hawaii 5-2-59, 5-2-65
- paper with high rag or sulfur content
restricted MB fumigation item 2-3-8
- parasitic wood wasp
kiln sterilization treatment 5-5-17
- parsley 5-2-29
- parsnip 5-2-39, 5-2-61, 5-2-62
- particulate-removing respirators 8-1-16
- parts per billion (ppb) 7-4-12
- parts per million (ppm) 7-4-12
- Paspalum scrobiculatum
dry heat treatment 5-5-41
- Passalidae
kiln sterilization treatment 5-5-17
- Passiflora 5-6-15
- passion fruit
from Chile 5-2-56
- pea 5-2-28, 5-2-61
dry 5-2-40
- peach 5-2-3, 5-2-39, 5-2-61, 5-2-62, 5-2-72, 5-2-73, 5-2-74, 5-2-77, 5-7-2
- peach fruit moth
cold treatment followed by MB at NAP 5-2-81
- peanut
with gypsy moth egg masses 5-3-9
- pear 5-2-3, 5-2-40, 5-2-61, 5-2-62, 5-2-72, 5-2-73, 5-2-77, 5-2-79
from Australia 5-2-80
- pecan 5-2-75
- pecan weevil
cold treatment 5-2-75
- Pectinophora gossypiella
MB at NAP treatment 5-5-2, 5-5-24
MB at NAP/chamber only treatment 5-2-38
- Pectinophora spp. 5-4-7
acid delinting and heat treatment 5-4-2
MB at NAP/chamber only treatment 5-4-6, 5-4-18
MB at NAP/tarpaulin only treatment 5-4-2, 5-4-7
MB in 26" vacuum/chamber only treatment 5-4-6
other treatment options 5-4-10, 5-4-12
phosphine at NAP treatment 5-4-6
- PEL 7-4-12
- Pelargonium spp.
MB in 15" vacuum treatment 5-3-11
- Pennsylvania
state hazardous waste management agencies 7-3-16
- pennyroyal 5-2-29
- Pentatomidae spp.
MB at NAP treatment 5-2-7, 5-2-45
- pepper 5-2-40, 5-2-61, 5-2-62
from Ghana 5-2-66
- per os (by mouth) (p.o.) 7-4-12
- perishable commodities in temporary enclosures 2-2-2
- permanent temperature sensors 6-7-4
- permissible exposure limit (PEL) 7-4-12
- persimmon 5-2-72, 5-2-73
- Personal Air Sample Pump H-1-39
- pesticide exposure 7-2-1
mild poisoning 7-2-3
moderate poisoning 7-2-3
severe poisoning 7-2-3
- pesticide safety 7-2-3
- pesticide spills
cleanup techniques 7-3-8
contaminated materials disposal 7-3-10
contamination control 7-3-5
crash notification 7-3-5
decontamination 7-3-9
emergency kit 7-3-17
emergency procedures 7-3-2
environmental monitoring 7-3-10
evaluate situation 7-3-3
identify contacts 7-3-3
managing of 7-3-1
planning for 7-3-11
post-spill procedures 7-3-10
reporting 7-3-10
safety and first aid 7-3-3
site security 7-3-7
- pesticides other than fumigants
thermal conductivity gas analyzers 8-1-14
- Pestroselinum crispum 5-2-29
- Philodendron spp. 5-3-8, 5-3-11
- Philomycidae

- MB at NAP treatment 5-3-6, 5-5-8
- Phomo chrysanthemi**
 - Bordeaux spray or dip treatment 5-6-3
 - other treatment options 5-6-3
- Phomopsis carica-papayae**
 - hot water treatment 5-6-17
 - on papaya 5-6-17
- Phomopsis orchidophilia**
 - treatment options 5-6-9
- Phos-Kill** 5-4-39, 5-5-47
- phosphine**
 - AP and MP 2-10-18
 - AP and MP fumigation 2-10-29
 - probing 2-10-29
 - AP, MP, ECO2FUME, VAPORPH3OS
 - intransit ship board fumigation 2-10-31
 - intransit wood chip fumigation 2-10-31
 - dispensing ECO2FUME fumigant gas 2-10-11
 - approved dispensing methods 2-10-13
 - equipment specification and use 2-10-12
 - unapproved dispensing methods 2-10-12
 - ECO2FUME 2-10-19
 - leak detection 2-10-4
 - poisoning 7-1-3
 - properties and use 2-10-1
 - respiratory protection 2-10-7
 - safety 2-10-4
 - applicator requirements 2-10-4
 - first aid treatment 2-10-7
 - storage and handling 2-10-5
 - VAPORPH3OS 2-10-20
- phosphine detector** 8-1-33
- Photinia** 5-3-9
- photo ionization detector** 8-1-35
- photographic prints**
 - restricted MB fumigation item 2-3-8
- photography chemicals**
 - restricted MB fumigation item 2-3-8
- PHS** 7-4-12
- Phthorimaea operculella**
 - MB at NAP treatment 5-2-43
- Phyllachora spp.**
 - treatment options 5-6-9
- Phyllosticta bromeliae**
 - Captan treatment 5-6-8
- Phyllosticta spp.**
 - treatment options 5-6-9
- Physoderma diseases**
 - treatment options 5-6-5
- piece goods** 5-4-2
- Pieris spp.**
 - MB at NAP treatment 5-5-13
- piers** 5-5-21
- pigeon pea** 5-2-28
- Pimenta dioica** 5-2-29
- pimento** 5-2-61, 5-2-62
- Pimpinella anisum** 5-2-29
- pine**
 - from Canada 5-3-15
- pine shoot beetle**
 - MB at NAP treatment 5-4-37
- pineapple** 5-2-41, 5-2-61, 5-2-62, 5-2-67
 - from Hawaii 5-2-65
 - from Thailand 5-2-66
- pineapple slip** 5-3-14, 5-3-15
- pin-hole borer**
 - kiln sterilization treatment 5-5-17
- pink bollworm**
 - MB at NAP treatment 5-5-2, 5-5-24
 - MB at NAP/chamber only treatment 5-2-38
- Pinus spp.**
 - from Canada 5-3-9, 5-3-15
- Piper nigrum** 5-2-29
- pips** 5-6-14
- pitahaya** 5-2-48
- Placards** H-1-71
- Planorbidae**
 - hot water treatment 5-3-3
- plant cuttings** 5-3-16
 - root cuttings 5-3-17
- plant material not tolerant to fumigation** 5-3-18, 5-3-19
- Plant Protection and Quarantine (PPQ)** 7-4-12
- plantain** 5-2-42, 5-2-61, 5-2-62
 - FIFRA section 18 exemption 2-3-3
- Plants in Growing Media** H-1-1
- plastic wrapping**
 - methyl bromide fumigation 2-3-5
- Platygodidae**
 - kiln sterilization treatment 5-5-17
- Platytheba**
 - MB at NAP treatment 5-5-5, 5-5-7
- plum** 5-2-3, 5-2-42, 5-2-61, 5-2-62, 5-2-72,

- 5-2-73, 5-2-74, 5-2-77
- plum curculio**
irradiation treatment 5-2-64
- plumcot** 5-2-72
- pointed gourd**
FIFRA section 18 exemption 2-3-3
- Polyanthes** 5-6-15
tuberosa 5-6-19
- pomegranate** 5-2-72, 5-2-73
- poppy** 5-2-29
- Portable Sensors** H-1-22
- portable temperature sensors**
calibration of 6-7-4
- PortaSens phosphine detector** 8-1-33
- post-treatment cooling options** 3-3-13
- potato** 5-2-61, 5-2-62
white or Irish 5-2-42, 5-2-43
- potato cyst nematode**
MB in 26" vacuum treatment 5-6-4, 5-6-7
- potato tuber** 5-6-19
- potato tuberworm**
MB at NAP treatment 5-2-43
- powder-post beetle**
kiln sterilization treatment 5-5-17
- ppb** 7-4-12
- ppm** 7-4-12
- PPQ** 7-4-12
- PPQ Form 203, Foreign Site Certificate of Inspection and/or Treatment** A-1-28
- PPQ Form 429, Fumigation Record** A-1-9
- PPQ Form 519, Compliance Agreement** A-1-13
- PPQ Form 523, Emergency Action Notification** A-1-16
- PPQ Form 556, Intransit Cold Treatment Clearance Report** A-1-31
- Pratylenchus infestation**
on *Fragaria*
hot water treatment 5-6-17
- Pratylenchus spp.**
hot water treatment 5-6-15, 5-6-16, 5-6-17, 5-6-20
on *Chrysanthemum*
hot water treatment 5-6-16
- Preclearance programs**
see Certifying facilities
- pressure-leakage test for NAP fumigation chambers** 6-3-4
- pretreatment warming options** 3-3-13
- prickly pear** 5-2-48
- Primula** 5-6-15
- Prosopis spp.**
dry heat treatment 5-5-41
- Pseudococcidae**
hot water immersion treatment 5-2-52
MB at NAP treatment 5-2-35, 5-2-62
- Pseudotrichia**
MB at NAP treatment 5-5-5, 5-5-7
- Pseudoveronicella**
MB at NAP treatment 5-3-6, 5-5-8
- Puerto Rico**
state hazardous waste management agencies 7-3-16
- pulp-infesting insect**
depulping treatment 5-3-34
- pulses**
dried 5-2-43
- pummelo** 5-2-72
- pumpkin** 5-2-43, 5-2-61, 5-2-62
- Q**
- quarantine treatments**
monitoring of 2-2-2
fumigation guidelines 2-2-3
nonperishable commodities in temporary enclosures 2-2-2
perishable commodities in temporary enclosures 2-2-2
- quarantine-significant slug**
treatment options 5-3-6
- Queensland fruit fly**
cold treatment 5-2-73
cold treatment followed by MB at NAP 5-2-80
fumigation plus cold treatment 5-2-77
irradiation treatment 5-2-64
MB at NAP followed by cold treatment 5-2-79
- quick-release dispensing equipment** 2-10-14
- quince** 5-2-72, 5-2-77
- R**
- radish** 5-2-44, 5-2-61, 5-2-62
- radura** 3-8-7
- railroad cars (empty)** 5-5-2, 5-5-21
treatment schedules for 5-5-2
- rambutan** 5-2-62
FIFRA section 18 exemption 2-3-3
from Hawaii 5-2-59, 5-2-65, 5-2-70
from Thailand 5-2-66

- range switch
 - thermal conductivity gas analyzers 8-1-3
- rape greens 5-2-44
- raspberry 5-2-45, 5-2-61, 5-2-62
 - FIFRA section 18 exemption 2-3-3
- RBC 7-4-12
- recapture
 - methyl bromide 8-1-36
- red blood cell(s) (RBC) 7-4-12
- red rice 5-5-41
- reference dose (RfD) 7-4-12
- Refrigerated transport
 - See also* Cold treatment
 - vessels used for intransit cold treatments 6-4-2-??
- Refrigerated warehouses
 - used for cold treatment 6-4-15-??
- reichsteineria 5-6-15
- residue monitoring 4-1-1
 - safety 4-2-1
 - sample
 - collection 4-2-2
 - labeling 4-2-2
 - shipment 4-2-3
 - storage 4-2-3
- respiratory protection 8-1-14
- restricted MB fumigation item
 - automobiles 2-3-7
 - baking powder 2-3-8
 - blueprints 2-3-8
 - bone meal 2-3-8
 - butter 2-3-8
 - charcoal 2-3-8
 - cinder blocks 2-3-8
 - electronic equipment 2-3-8
 - feather pillows 2-3-8
 - felt 2-3-8
 - furs 2-3-8
 - high-protein flours 2-3-8
 - horsehair articles 2-3-8
 - lard 2-3-8
 - leather goods 2-3-8
 - machinery with milled surfaces 2-3-8
 - magazines 2-3-8
 - magnesium articles 2-3-8
 - natural rubber goods 2-3-8
 - newspapers 2-3-8
 - paper with high rag or sulfur content 2-3-8
 - photographic prints 2-3-8
 - photography chemicals 2-3-8
 - rug pads 2-3-8
 - silver polishing papers 2-3-8
 - soft yarns 2-3-8
 - sweaters 2-3-8
 - viscose rayon fabrics 2-3-8
 - woolens 2-3-8
 - yak rugs 2-3-8
- resurrection plants 5-3-24
- RfD 7-4-12
- RfDi 7-4-12
- RfDo 7-4-12
- Rhagoletis cerasi
 - MB at NAP treatment 5-3-33
- Rhagoletis indifferens
 - CATTS treatment 5-7-3
 - MB at NAP/chamber only treatment 5-2-17
- Rhagoletis pomonella
 - irradiation treatment 5-2-64
- Rhagoletis tomatis
 - MB at NAP treatment 5-2-47
- Rhode Island
 - state hazardous waste management agencies 7-3-16
- rhododendron 5-6-4, 5-6-6
- Rhyacionia buoliana
 - MB at NAP treatment 5-3-15
- Rhizophagidae
 - kiln sterilization treatment 5-5-17
- rice hulls
 - closely packed 5-6-13
 - imported for purposes other than approved processing 5-4-15
 - imported in small lots of 25 lbs. or less 5-4-15
 - loose 5-6-13
- rice straw
 - articles 5-4-14
 - indoor use only 5-4-14
 - brooms 5-6-12
 - closely packed 5-6-13
 - imported for purposes other than approved processing 5-4-15
 - imported in small lots of 25 lbs. or less 5-4-15
 - loose 5-6-13
 - novelties 5-6-12, 5-6-13
 - treatment schedules for 5-4-13
- rice-related diseases
 - treatment options 5-6-12, 5-6-13
- root not on Q label
 - FIFRA section 18 exemption 2-3-3

- root-eating beetle
 - kiln sterilization treatment 5-5-17
- root-feeding weevil
 - kiln sterilization treatment 5-5-17
- root-knot nematode
 - hot water treatment 5-6-15, 5-6-16
- Rosa spp. 5-6-17
- Rosemarinus officinalis 5-2-29
- rosemary 5-2-29
- Rosmarinus seeds 5-3-30
- round-headed borer
 - kiln sterilization treatment 5-5-17
- ruaceous seed
 - from citrus canker countries 5-6-10
- rubber tree
 - seeds of 5-3-32
- rue 5-2-29
- rug pads
 - restricted MB fumigation item 2-3-8
- rust infestation
 - treatment options 5-6-9
- rusts 5-6-9
- Ruta graveolens 5-2-29
- rutabaga 5-2-61, 5-2-62
- S**
- s.c. 7-4-12
- saccharum
 - bagasse 5-6-11
 - field and processing equipment 5-6-11
 - seed pieces 5-6-11
 - true seed 5-6-11
- safeguarding treated fruit 3-3-12
- Safety Equipment H-1-40
- saffron 5-2-29
- sage 5-2-29
- Salpingidae
 - kiln sterilization treatment 5-5-17
- salsify 5-2-61, 5-2-62
- Salvia officinalis 5-2-29
- Salvia sciarea 5-2-29
- sand pear 5-2-72, 5-2-75
- Sanguisorba minor 5-2-29
- Sansevieria 5-6-15
- sapodilla
 - from Hawaii 5-2-65
- Sapote fruit fly
 - irradiation treatment 5-2-64
- Sarasinula
 - MB at NAP treatment 5-3-6, 5-5-8
- Saturega spp. 5-2-29
- saw fly
 - MB at NAP/chamber only treatment 5-4-25, 5-4-26
 - MB in 26" vacuum treatment 5-4-25
 - steam sterilization treatment 5-4-26
- Scabiosa 5-6-15
- Scale (portable platform) H-1-40
- scale insect
 - MB at NAP treatment 5-2-61
- scale or digital display
 - thermal conductivity gas analyzers 8-1-3
- scallion 5-2-62
- scarab beetle
 - residual insecticidal spray treatment 5-5-4
- SCBA 8-1-15
- scilla 5-6-19
- scion wood
 - plant cuttings 5-3-16
- Scirtothrips dorsalis
 - MB at NAP treatment 5-2-4
- Scolytidae
 - kiln sterilization treatment 5-5-17
- Sealing Tape H-1-41
- Sedum 5-6-15
- Sedum adolphii 5-3-11
- seed beetle
 - MB at NAP treatment 5-2-5, 5-2-24, 5-2-34, 5-2-40, 5-2-43, 5-3-34
 - MB in 26" vacuum treatment 5-3-30, 5-3-34
 - MB in 26" vacuum/chamber only treatment 5-2-24
- seed-boring insect
 - MB at NAP treatment 5-3-32
- seeds 5-3-30
 - nonpropagative 5-4-9, 5-4-10, 5-4-11
 - nonpropagative and contaminated with cottonseed 5-4-10
 - not listed in T203 schedules 5-3-31
 - treatment options 5-3-25
 - with infested pulp 5-3-34
- Selaginella spp. 5-3-24
- Selenicereus megalanthus
 - from Colombia 5-2-70
- Self-Contained Breathing Apparatus (SCBA) H-1-42
- self-contained breathing apparatus (SCBA) 8-1-15
- Semperula



- MB at NAP treatment 5-3-6, 5-5-8
- Senecio 5-6-15, 5-6-19
- Septoria gentinae
 - treatment options 5-6-8
- Sesiidae
 - kiln sterilization treatment 5-5-17
- shallot 5-2-45, 5-2-62
- sheepskin 5-5-45, 5-5-46
- ship
 - deck 5-5-4
 - hold 5-5-5, 5-5-6
 - storeroom 5-5-5, 5-5-6
- ship timber beetle
 - kiln sterilization treatment 5-5-17
- ships, containers, and surrounding area
 - treatment options 5-5-3
- short-term exposure limit (STEL) 7-4-12
- silver polishing papers
 - restricted MB fumigation item 2-3-8
- Siricidae 5-5-17
- Slack Associates, Inc.
 - vacuum chamber manufacturers 6-2-4
- slug
 - MB at NAP treatment 5-2-61, 5-4-17
- Smoking Candle H-1-43
- snail
 - MB in 26" vacuum treatment 5-3-30
 - mechanical separation treatment 5-4-11
- snail host plants
 - treatment options 5-3-12
- Snakes (sand) H-1-44
- Snakes (water) H-1-44
- snap bean 5-2-28
- snow pea 5-2-61, 5-2-62
- soft scale
 - MB at NAP treatment 5-3-13
 - MB in 15" vacuum treatment 5-3-4, 5-3-10, 5-3-14, 5-4-17
- soft yarns
 - restricted MB fumigation item 2-3-8
- soil 5-6-4
 - as such 5-5-25, 5-5-26, 5-5-27
 - treatment options 5-5-25
 - contaminated durable commodities 5-5-26, 5-5-27
 - contaminated nonfood commodities 5-5-27
- Soil Fumigants H-1-44
- soil fungi 5-5-27
- Solanum 5-6-19
 - Solanum viarum
 - dry heat treatment 5-5-41
- South American fruit fly
 - MB at NAP treatment 5-2-7
 - vapor heat treatment 5-2-70
- South Carolina
 - state hazardous waste management agencies 7-3-16
- South Dakota
 - state hazardous waste management agencies 7-3-16
- Sphaerodothis spp.
 - treatment options 5-6-9
- Sphenospora spp.
 - treatment options 5-6-9
- spider mite
 - MB at NAP treatment 5-2-61
- Spill Recovery Materials H-1-45
- Spodoptera littoralis
 - MB at NAP treatment 5-2-34
- sprays 2-14-1
- squash 5-2-62, 5-2-67
 - summer and winter 5-2-61
 - winter, summer, and chayote 5-2-46
- stack covering
 - methyl bromide 2-4-16
- state hazardous waste management agencies 7-3-12
 - Alabama 7-3-12
 - Alaska 7-3-12
 - American Samoa 7-3-12
 - Arizona 7-3-12
 - Arkansas 7-3-12
 - California 7-3-12
 - Colorado 7-3-12
 - Connecticut 7-3-12
 - Delaware 7-3-13
 - District of Columbia 7-3-13
 - Florida 7-3-13
 - Georgia 7-3-13
 - Guam 7-3-13
 - Hawaii 7-3-13
 - Idaho 7-3-13
 - Illinois 7-3-13
 - Indiana 7-3-13
 - Iowa 7-3-13
 - Kansas 7-3-13
 - Kentucky 7-3-13
 - Louisiana 7-3-14
 - Maine 7-3-14
 - Maryland 7-3-14
 - Massachusetts 7-3-14



- Michigan 7-3-14
- Minnesota 7-3-14
- Mississippi 7-3-14
- Missouri 7-3-14
- Montana 7-3-14
- Nebraska 7-3-14
- Nevada 7-3-15
- New Hampshire 7-3-15
- New Jersey 7-3-15
- New Mexico 7-3-15
- New York 7-3-15
- North Carolina 7-3-15
- North Dakota 7-3-15
- Northern Mariana Islands 7-3-15
- Ohio 7-3-15
- Oklahoma 7-3-15
- Oregon 7-3-16
- Pennsylvania 7-3-16
- Puerto Rico 7-3-16
- Rhode Island 7-3-16
- South Carolina 7-3-16
- South Dakota 7-3-16
- Tennessee 7-3-16
- Texas 7-3-16
- Utah 7-3-16
- Vermont 7-3-16
- Virgin Islands 7-3-17
- Virginia 7-3-17
- Washington 7-3-17
- West Virginia 7-3-17
- Wisconsin 7-3-17
- Wyoming 7-3-17
- Steam boilers (for hot water immersion treatment) H-1-46**
- Steam Generators H-1-46**
- steam jet method 3-4-2**
- steam pressure sterilization 3-4-1**
 - closely packed 3-4-2
 - loose masses 3-4-1
- Steam Sterilizers H-1-47**
- steam treatments 3-4-1**
- STEL 7-4-12**
- Stenotarsonemus laticeps**
 - hot water treatment 5-3-23
 - MB at NAP treatment 5-3-23
 - MB in 26" vacuum treatment 5-3-23
- Stenoma catenifer**
 - MB in 26" vacuum treatment 5-3-25
- Sterilization and Fumigation Services, Inc. (SFS)**
 - vacuum chamber manufacturers 6-2-4
- Sternochetus mangiferae**
 - irradiation treatment 5-2-64, 5-2-66
- Stipa tenacissima 5-4-16**
- stone fruit 5-2-61, 5-2-62**
- stored product pest**
 - MB at NAP treatment 5-2-29
- stored tobacco for export 5-4-22**
- strawberry 5-2-46, 5-2-61, 5-2-62, 5-6-15, 5-6-17, 5-6-20**
- Striga spp.**
 - dry heat treatment 5-5-41
 - MB at NAP/tarpaulin only treatment 5-5-27
- string bean 5-2-28**
- subcutaneous (s.c.) 7-4-12**
- Succinea horticola 5-3-11**
- Succinea spp.**
 - MB at NAP treatment 5-5-5, 5-5-9
- Succinea spp. host plants**
 - treatment options 5-3-12
- Succineidae**
 - cold treatment 5-5-10
 - MB at NAP treatment 5-5-9
- sugar beet 5-2-61, 5-2-62**
- sugarcane**
 - bagasse 5-6-11
 - baled 5-6-12
 - field and processing equipment 5-6-11
 - loose 5-6-12
 - related diseases
 - treatment schedules for 5-6-12
 - seed pieces 5-6-11
 - true seed 5-6-11
- Sulfuryl Fluoride H-1-47**
- sulfuryl fluoride**
 - chamber fumigation 2-9-6
 - leak detection 2-9-2
 - poisoning 7-1-3
 - properties and use 2-9-1
 - safety and first aid 2-9-7
 - eye contact 2-9-7
 - if inhaled 2-9-7
 - if spilled on skin 2-9-7
 - protective clothing 2-9-7
 - shipboard fumigation 2-9-6
 - structural fumigation 2-9-6
 - tarpaulin fumigation 2-9-2
 - aeration 2-9-5
 - circulation 2-9-3
 - condensation prevention 2-9-3
 - dosage rate 2-9-5
 - gas concentration measurements

- 2-9-5
 - gas introduction 2-9-4
 - gas sampling lines 2-9-3
 - replacing lost gas 2-9-5
 - sealing 2-9-2
- summer savory 5-2-29
- Supplied-Air Respirators H-1-48
- Suppliers
 - reference guide to commercial suppliers H-1-1-??
- surface
 - diseases 5-6-17
 - pests 5-2-61, 5-4-17
- surface-feeding caterpillar
 - MB at NAP treatment 5-2-61
- sweaters
 - restricted MB fumigation item 2-3-8
- sweet bay 5-2-29
- sweet cherry 5-7-3
- sweet corn 5-2-61, 5-2-62
- sweet orange 5-2-72
- sweet potato 5-2-47, 5-2-61, 5-2-62, 5-3-25
 - from Hawaii 5-2-65, 5-2-66
- sweet potato vine borer
 - irradiation treatment 5-2-64
- sweet potato weevil
 - irradiation treatment 5-2-64
- Syntexicae
 - kiln sterilization treatment 5-5-17
- Systole spp.
 - MB in 26" vacuum treatment 5-3-33
- T**
 - T100 schedules 5-2-1
 - T101 methyl bromide fumigation schedules 5-2-3
 - T102 water treatment schedules 5-2-51
 - T103 high temperature forced air treatment schedules 5-2-57
 - T104 pest specific/host variable treatment schedules 5-2-60
 - T105 irradiation treatment schedules 5-2-63
 - T106 vapor heat treatment schedules 5-2-67
 - T107 cold treatment schedules 5-2-71
 - T108 fumigation plus refrigeration of fruits treatment schedules 5-2-76
 - T109 cold treatment plus fumigation of fruits treatment schedules 5-2-80
 - T110 quick freeze treatment schedules 5-2-82
 - T200 schedules 5-3-1
 - T201 plant treatment schedules 5-3-3
 - T202 treatment schedules for bulbs, corms, tubers, rhizomes, and roots 5-3-20
 - T203 treatment schedules for seeds 5-3-25
 - T300 schedules 5-4-1
 - T301 treatment schedules for cotton and cotton products 5-4-2
 - T302 treatment schedules for grains and seeds not intended for propagation 5-4-8
 - T303 treatment schedules for rice straw and hulls 5-4-13
 - T304 treatment schedules for alpha grass and handicrafts 5-4-16
 - T305 treatment schedules for cut flowers and greenery 5-4-17
 - T306 treatment schedules for bags and bagging material 5-4-18
 - T308 treatment schedules for tobacco for export 5-4-22
 - T309 treatment schedules for broomcorn and broomcorn articles 5-4-25
 - T310 treatment schedules for nonfood, tick-infested materials 5-4-26
 - T311 treatment schedules for baled hay 5-4-28
 - T312 treatment schedules for oak logs and lumber 5-4-29
 - T312-a-Alternative
 - adding gas and time to 2-4-34
 - special procedures for adding gas to oak logs 2-4-30
 - T313 treatment schedules for Christmas trees 5-4-37
 - T314 treatment schedules for logs and firewood 5-4-38
 - T400 schedules 5-5-1
 - T401 treatment schedules for empty railroad cars 5-5-2
 - T402 treatment schedules for ships, containers, and surrounding area 5-5-3
 - T403 treatment schedules for nonfood, miscellaneous cargo 5-5-7
 - T404 treatment schedules for wood products 5-5-13
 - T405 treatment schedules for bags and bagging material 5-5-21

- T406 treatment schedules for golden nematode contaminations 5-5-21
- T407 treatment schedules for mechanical cotton pickers and other cotton equipment 5-5-24
- T408 treatment schedules for soil as such and soil contaminating durable commodities 5-5-25
- T409 treatment schedules for aircraft 5-5-28
- T410 treatment schedules for tick infestations 5-5-40
- T411 treatment schedules for ant infestation of nonplant products 5-5-41
- T412 treatment schedules for noxious weed seeds 5-5-41
- T413 treatment schedules for brassware from Mumbai, India 5-5-42
- T414 treatment schedules for inanimate, nonfood articles with gypsy moth egg masses 5-5-43
- T415 treatment schedules for garbage 5-5-44
- T416 treatment schedules for goatskins, lambskins, sheepskins 5-5-45
- T500 schedules 5-6-1
- T501 treatment schedules for *Chrysomya* spp., *Cercospora* spp., and *Phomo chrysanthemi* infestation 5-6-3
- T502 treatment schedules for potato cyst nematode infestation 5-6-4
- T503 treatment schedules for downy mildews infestations and physoderma maize diseases 5-6-5
- T504 treatment schedules for flag smut infestation 5-6-5
- T505 treatment schedules for *Chrysomya* spp. infestation 5-6-6
- T506 treatment schedules for potato cyst nematode infestation 5-6-7
- T507 treatment schedules for *Phyllosticia bromeliae*, *Uredo*, and *Septoria gentinae* infestation 5-6-8
- T508 treatment schedules for rust infestation 5-6-9
- T509 treatment schedules for *Camellia* and orchid infestation 5-6-9
- T510 treatment schedules for corn-related diseases 5-6-10
- T511 treatment schedules for *Xanthomonas axonopodis*, pv. *citri* infestation 5-6-10
- T513 treatment schedules for *Ascochyta* infestation 5-6-11
- T514 treatment schedules for *Xanthomons albilineans* and *X. vasculorum* 5-6-11
- T515 treatment schedules for sugarcane-related diseases 5-6-12
- T518 treatment schedules for rice-related diseases 5-6-12
- T519 treatment schedules for rice-related diseases 5-6-13
- T520 treatment schedules for *Verticillium albo-atrum* infestation 5-6-14
- T551 treatment schedules for *Globodera rostochiensis* on *Convallaria* 5-6-14
- T552 treatment schedules for *Ditylenchus dipsaci* and *Ditylenchus destructor* infestation 5-6-14
- T553 treatment schedules for nematode infestation 5-6-15
- T554 treatment schedules for *Ditylenchus dipsaci* and *Ditylenchus destructor* infestation on *Hyacinthus* 5-6-16
- T555 treatment schedules for *Ditylenchus dipsaci* infestation on *Narcissus* 5-6-16
- T556 treatment schedules for root-knot nematode infestation on *Calla* 5-6-16
- T557 treatment schedules for root-knot nematode infestation on *Chrysanthemum* 5-6-16
- T558 treatment schedules for *Pratylenchus* surface diseases on *Fragaria* 5-6-17
- T559 treatment schedules for foliar nematode infestation on *Begonia* and *Oryza* 5-6-17
- T560 treatment schedules for *Meloidogyne* spp. infestation on *Rosa* 5-6-17
- T561 treatment schedules for *Cercospora mamaonis* and *Phomopsis carica-papayae* infestation on papayas 5-6-17
- T564 treatment schedules for foliar nematode infestation 5-6-18
- T565 treatment schedules for nematode infestation 5-6-18
- T566 treatment schedules for various dis-



- eases on broomcorn, broomcorn articles, and Libium 5-6-19
- T567 treatment schedules for bulb nematode infestation 5-6-19
- T568 treatment schedules for foliar nematode infestation on Senecio 5-6-19
- T569 treatment schedules for foliar nematode infestation on Fragaria 5-6-20
- T570 treatment schedules for Acalypha and Aconitum diseases 5-6-20
- T600 schedules 5-7-1
- Taeniothrips eucharii 5-3-22
- Taeniothrips simplex 5-3-21
- taking concentration readings
 - methyl bromide 2-4-21
 - phosphine 2-10-17
 - sulfuryl fluoride 2-9-5
- Tanacetum vulgare 5-2-29
- tangelo 5-2-61, 5-2-62, 5-2-72
- tangerine 5-2-61, 5-2-62, 5-2-72, 5-2-73
 - from Chile 5-2-19
 - from Mexico and U.S. quarantine areas 5-2-20
- tansy 5-2-29
- tarpaulin sealing
 - methyl bromide 2-4-17
 - phosphine 2-10-25
 - sulfuryl fluoride 2-9-2
- Tarpaulins H-1-50
- tarragon 5-2-29
- Tarsonemus spp.
 - MB at NAP treatment 5-2-7
- Technical and Scientific Services (TSS) 7-4-12
- temperature measurements
 - methyl bromide 2-4-14
- temperature recorder 3-3-8
 - accuracy 3-3-8
 - APHIS-approved models 3-3-9
 - automatic operation 3-3-8
 - calibration 3-3-9
 - frequency 3-3-8
 - long-term recording 3-3-8
 - range 3-3-9
 - repeatability 3-3-9
- Temperature Recorders (built-in for cold treatment) H-1-54, H-1-56
- Temperature Recorders (hot water immersion treatment) H-1-56
- Temperature Recorders (portable for cold treatment) H-1-52
- Temperature Recorders and Sensors (general use) H-1-51
- Temperature recording systems
 - standards for integral containers used for cold treatment 6-4-15-??
 - standards for vessels used for intransit cold treatment 6-4-2-??
- temperature sensors 3-3-7
- Tennessee
 - state hazardous waste management agencies 7-3-16
- termite
 - kiln sterilization treatment 5-5-17
 - MB at NAP treatment 5-5-18
 - other treatment options 5-5-11
 - SF at NAP treatment 5-5-14, 5-5-16
- testing for leaks
 - methyl bromide 2-4-21
 - phosphine 2-10-27
 - sulfuryl fluoride 2-9-2
- Tetranychus kanzawai
 - cold treatment followed by MB at NAP 5-2-81
- Tetranychus viennensis
 - cold treatment followed by MB at NAP 5-2-81
- Texas
 - state hazardous waste management agencies 7-3-16
- Thaumatotibia leucotreta
 - cold treatment 5-2-74
- Theba
 - cold treatment 5-5-10
 - MB at NAP treatment 5-5-5, 5-5-8
- thermal conductivity gas analyzers 8-1-2
 - air purifying respirators 8-1-14
 - drying tube 8-1-3
 - dust masks 8-1-14
 - exhaust outlet 8-1-3
 - flow rate adjustment 8-1-3
 - flow rate meter 8-1-3
 - fumigant selector switch 8-1-3
 - fumigants 8-1-14
 - inlet 8-1-3
 - instrument description 8-1-2
 - line switches 8-1-3
 - pesticides other than fumigants 8-1-14
 - range switch 8-1-3
 - respiratory protection 8-1-13
 - scale or digital display 8-1-3
 - zero adjustment 8-1-3

- thermal mapping 6-7-5
- Thermocouple Wire H-1-60
- Thermometers H-1-60
- thermometers
 glass mercury certified precision 8-1-35
- Thermometers (approved calibration companies) H-1-67
- Thermometers (digital certified precision) H-1-64
- Thermometers (glass mercury certified precision) H-1-61
- Thermometers (glass non-mercury certified precision) H-1-63
- Thompsonia nepalensis 5-6-15
- threshold limit value (TLV) 7-4-12
- thrips
 MB at NAP treatment 5-2-61, 5-3-10
- Thrips spp.
 MB at NAP treatment 5-2-3, 5-2-5, 5-2-7, 5-2-35, 5-2-42, 5-2-45
- thyme 5-2-29
- Thymus spp. 5-2-29
- tick
 MB at NAP treatment 5-4-26
 MB at NAP/chamber only treatment 5-4-25
 MB in 26" vacuum treatment 5-4-25
 other treatment options 5-5-40
- tick infestation (nonfood materials)
 MB in 26" vacuum treatment 5-4-27
 other treatment options 5-4-26, 5-5-40
 sulfuryl fluoride at NAP treatment 5-4-27
- ticks 5-4-26
- Tigridia 5-6-16
- time-weighted average (TWA) 7-4-12
- TLV 7-4-12
- tobacco
 blended strip 5-4-22
 for export 5-4-23, 5-4-24
 treatment schedules for 5-4-22
 leaf 5-4-22
 stored 5-4-22
- tobacco moth
 Kabat application treatment 5-4-22
 MB in 28" vacuum treatment 5-4-23
 vacuum steam flow method 5-4-22
 vacuum steam flow method followed by reconditioning 5-4-22
- tomato 5-2-61, 5-2-62, 5-2-67
 from Chile 5-2-47
 from Hawaii 5-2-47, 5-2-65
- tomato fruit fly
 MB at NAP treatment 5-2-47
- tomato fruit moth
 MB at NAP treatment 5-2-47
- Tomicus piniperda
 MB at NAP treatment 5-4-37
- TQAU 2-10-36, 6-5-7
- Trade Journals H-1-38
- Treatment facilities
 certifying 6-4-1
- treatment facilities
 directory of E-1-1
- Treatment Manual
 application of 1-1-3
 comment sheet CS-1-1
 conventions of 1-1-4
 maintenance of C-1-1
 purpose of 1-1-1
 related documents of 1-1-3
 reporting problems of 1-1-4
 restrictions of 1-1-1
 scope of 1-1-2
 use of 1-1-3
 users of 1-1-2
- Treatment Quality Assurance Unit (TQAU) 2-10-36, 6-5-7
- treatment schedule index 5-1-1
- Trigonella foenumgraecum 5-2-29
- Trishoplita
 cold treatment 5-5-10
 MB at NAP treatment 5-5-9
- Trochoidea
 cold treatment 5-5-10
 MB at NAP treatment 5-5-5, 5-5-7
- Trogoderma granarium
 Malathion spray treatment 5-5-3
 MB at NAP treatment 5-3-30, 5-4-2, 5-4-4, 5-4-19, 5-5-6, 5-5-11, 5-5-19, 5-5-42
 MB at NAP/chamber only treatment 5-4-2, 5-4-11
 MB at NAP/tarpaulin only treatment 5-4-3, 5-4-9, 5-5-45
 MB at NAP/tarpaulin-covered car treatment 5-5-2, 5-5-6
 MB in 26" vacuum treatment 5-5-46
 MB in 26" vacuum/chamber only treatment 5-4-10, 5-4-11, 5-4-19, 5-5-46

other treatment options 5-5-28

Trogositidae
kiln sterilization treatment 5-5-17

Tropaeolum majus 5-2-29

tropical soda apple 5-5-41

TSS 7-4-12

tuber 5-6-15
not on Q label FIFRA section 18 exemption 2-3-3

Tubing (gas sampling) H-1-69

tuna 5-2-48

turmeric 5-6-15

turnip 5-2-49, 5-2-61, 5-2-62

Tuta absoluta
MB at NAP treatment 5-2-47

TWA 7-4-12

tydaea 5-6-15

U

U.S. Department of Health, Education, and Welfare (DHEW) 7-4-11

U.S. Department of Agriculture (USDA) 7-4-12

U.S. Department of Health and Human Services (HHS) 7-4-11

U.S. Department of Transportation (DOT) 7-4-11

U.S. Public Health Service (PHS) 7-4-12

UCL 7-4-12

UEL 7-4-12

UF 7-4-12

ug 7-4-12

ug/cu. 7-4-12

ug/L 7-4-12

Umbelliferae
seeds of 5-3-33

uncertainty factor (UF) 7-4-12

upper confidence limit (UCL) 7-4-12

upper exposure limit (UEL) 7-4-12

Uredo infestation
treatment options 5-6-8

Uredo spp.
treatment options 5-6-8, 5-6-9

Urochloa panicoides
dry heat treatment 5-5-41

USDA 7-4-12

Utah
state hazardous waste management agencies 7-3-16

V

Vacudyne Altair
vacuum chamber manufacturers 6-2-4

vacuum chamber 6-2-1

vacuum chamber manufacturers
Baltimore Quality Associates, Inc. (BQA) 6-2-5
CosMed Group 6-2-4
ETO Sterilization 6-2-5
Slack Associates, Inc. 6-2-4
Sterilization and Fumigation Services, Inc. (SFS) 6-2-4
Vacudyne Altair 6-2-4

vacuum fumigation chamber 2-5-6
accessories 6-2-3
certification of 6-2-1
certification standards 6-2-3
circulation and exhaust system 6-2-2
construction and performance standards 6-2-1
fumigant introduction systems 6-2-2

Vacuum Pump H-1-70

vacuum pump 6-2-2

Vaginulus
MB at NAP treatment 5-3-6, 5-5-8

vanilla 5-2-29

Vanillia planifolia 5-2-29

Vapam H-1-71

vapor heat treatment 3-5-1, 6-7-1

vapor heat treatment facilities
calibrating the permanent temperature sensors 6-7-4
calibrating the portable temperature sensors 6-7-4
certification of 6-7-1
conducting test treatment 6-7-7
documentation for 6-7-8
plan and process approval 6-7-2
preliminary performance testing 6-7-3

VAPORPH3OS 2-10-9

velometer 8-1-27

Verbena 5-6-15

Vermont
state hazardous waste management agencies 7-3-16

Veronicella
MB at NAP treatment 5-3-6, 5-5-8
other treatment options 5-3-11

Veronicellidae
MB at NAP treatment 5-3-6, 5-5-8

Verticillium albo-atrum



- treatment options 5-6-14
- vessel
 - equipped for intransit cold treatment G-1-1
- Vessels
 - used for intransit cold treatment 6-4-2-??
- Vicia spp.
 - seeds of 5-3-34
- Vikane H-1-47
- vine moth
 - MB at NAP treatment 5-2-26
- Vinsonia spp.
 - MB in 15" vacuum treatment 5-3-14
- Virgin Islands
 - state hazardous waste management agencies 7-3-17
- Virginia
 - state hazardous waste management agencies 7-3-17
- viscose rayon fabrics
 - restricted MB fumigation item 2-3-8
- Vitis 5-6-15
- Viviparidae
 - hot water treatment 5-3-3
- Volatizer H-1-71
- volitilizer 8-1-25
- volume measurements
 - methyl bromide 2-4-17
- W**
- Warehouses
 - used for cold treatment 6-4-15-??
- Warning Signs H-1-71
- Washington
 - state hazardous waste management agencies 7-3-17
- wasp
 - kiln sterilization treatment 5-5-17
- waste 5-4-2, 5-4-6, 5-4-7
- water
 - circulation 3-3-7
 - quality 3-3-4
 - supply
 - tarpaulin fumigation sites 2-4-6
- watermelon 5-2-35, 5-2-61, 5-2-62
- weevil
 - MB at NAP treatment 5-4-8
 - MB in 26" vacuum/chamber only treatment 5-4-8
- Weigela 5-6-15
- well-lighted area
 - tarpaulin fumigation sites 2-4-6
- well-ventilated, sheltered area
 - tarpaulin fumigation sites 2-4-4
- West Indian fruit fly
 - forced hot air treatment 5-2-58
 - irradiation treatment 5-2-64
- West Indian sweet potato weevil
 - irradiation treatment 5-2-64
- West Virginia
 - state hazardous waste management agencies 7-3-17
- western cherry fruit fly
 - CATTS treatment 5-7-3
 - MB at NAP/chamber only treatment 5-2-17
- wheat bug
 - MB at NAP treatment 5-2-32
- white fringed beetle
 - MB at NAP treatment 5-2-42
- white tip nematode
 - hot water treatment 5-6-17
- white zapote 5-2-73
- winter savory 5-2-29
- wintergreen 5-2-29
- Wisconsin
 - state hazardous waste management agencies 7-3-17
- witchweed
 - dry heat treatment 5-5-41
 - MB at NAP/tarpaulin only treatment 5-5-27
- wood borer
 - treatment options 5-5-11
- wood packing material 5-5-20, 5-5-21
- wood products
 - including containers 5-5-14, 5-5-16, 5-5-17, 5-5-18, 5-5-19
 - treatment schedules for 5-5-13
- wood wasp
 - Chlorpyrifos spray treatment 5-5-13
 - kiln sterilization treatment 5-5-17
 - SF at NAP treatment 5-5-16
- wood-boring weevil
 - kiln sterilization treatment 5-5-17
- wooden boxes
 - methyl bromide fumigation 2-3-6
- woodruff 5-2-29
- woolens
 - restricted MB fumigation item 2-3-8
- wormwood 5-2-29

- Wyoming
state hazardous waste management agencies 7-3-17
- X**
- X. vasculorum* 5-6-11
- Xanthomonas albilineans*
dry heat treatment 5-6-11
other treatment options 5-6-11
- Xanthomonas axonopodis*, pv. *citri*
treatment options 5-6-10
- Xanthomonas citri*
hot water treatment followed by chemical dip 5-3-33
- Xanthomonas vasculorum*
treatment options 5-6-11
- Xerolenta*
cold treatment 5-5-10
MB at NAP treatment 5-5-5, 5-5-7
- Xeropicta*
cold treatment 5-5-10
MB at NAP treatment 5-5-5, 5-5-7
- Xerosecta*
cold treatment 5-5-10
MB at NAP treatment 5-5-5, 5-5-7
- Xerotricha*
cold treatment 5-5-10
MB at NAP treatment 5-5-5, 5-5-7
- Xylocopidae*
kiln sterilization treatment 5-5-17
- Xyphtriidae*
kiln sterilization treatment 5-5-17
- Y**
- ya pear
from Chile 5-2-75
- yak rugs
restricted MB fumigation item 2-3-8
- yam 5-2-49, 5-2-61, 5-3-25
- yard-long bean 5-2-28
- yellow peach moth
treatment options 5-2-81
- yellow pitaya
from Colombia 5-2-70
- Z**
- Zantedeschia* 5-6-15
- zero adjustment
thermal conductivity gas analyzers 8-1-3
- Zingiberaceae 5-6-15
- zucchini 5-2-50, 5-2-61, 5-2-62, 5-2-67

