

Vapo Cresolene

ESTABLISHED 1910



for Whooping Cough, Spasmodic Croup, Asthma, Sore Throat, Coughs, Bronchitis, Colds, Catarrh.

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A simple, safe and effective treatment, avoiding drugs. Vapo Cresolene stops the paroxysms of Whooping Cough and relieves spasmodic Croup at once. It is a boon to sufferers from Asthma.

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THE VAPO-CRESOLENE CO., 62 Cortlandt St., New York or Leeming-Miles Building, Montreal, Canada

Insect Enemies and ~ Plant Diseases

SPRAYING CALENDAR

NUMBER OF APPLICATIONS REQUIRED

PLANT	FIRST	SECOND	THIRD	FOURTH
Apples (Scab, rot, moth, etc.)	When buds swell before open. Bordeaux-arsenate.	When blossoms fall, same.	8-12 days later, same.	For lice, Ker. Emulsion June.
Asparagus (Rust, Beetles.)	Cut all shoots below surface July 1. Spray new shoots Bordeaux-arsenate.		2-3 weeks later, same. Repeat in 2-3 weeks.	
Beans (Anthracnose blight, etc.)	Treat seed with bisul-carbon.	Full leaf, Bordeaux.	14 days repeat.	14 days repeat.
Cabbage (Worms and Maggots.)	Insect powder.	7-10 days later, repeat.	14 days later, repeat.	7-10 days later, repeat.
Celery (Rot, blight, rust, etc.)	Half strength Bordeaux on young plants.	7-10 days later, repeat.	14 days later, repeat.	14 days later, repeat.
Cherry (Rot, aphid, blight, spot, etc.)	Buds break, Bordeaux, Aphid, Ker. emulsion.	Blossoms drop, Bordeaux-arsen.	10-14 days, same.	Hellebore for slugs.
Currant (Gooseberry Worms, blight.)	Hellebore for worms.	10 days later, same. Bordeaux for blight.	10-14 days, repeat.	2-4 weeks, repeat.
Grape (Diseases, bugs, lice, beetle, hopper.)	Buds swell, Bordeaux.	Buds burst, Bordeaux-arsen.	Fruit set, same.	2-4 weeks same.
Melon (Cucumber mildew, rot, bugs, lice, etc.)	When vines run, Bordeaux, half strength.	10-14 days, repeat.	10-14 days, repeat.	10-14 days, repeat.
Peach (Rot, curd, mildew, curculio.)	Buds swell, Bordeaux, half strength.	Fruit set, far trees for curculio.	Half-grown, Bordeaux.	
Pear and Quince (Blight, scab, mite, moth, slugs.)	Buds swell, Bordeaux.	Leaves open, kerosene-emulsion for psylla.	Blossoms fall, Bordeaux-arsenate.	10-14 days, repeat.
Potato (Beetle, blight, rot.)	Paris green and Bordeaux when 4 inches high.	2 weeks later, repeat.	Repeat on signs of blight, rot and insects.	
Plum (Curculio, blight, rot, black-knot.)	Buds swell, Bordeaux.	Blossoms fall, Bordeaux-arsenate. Jay trees for curculio.	10-14 days, repeat.	10-12 days, repeat.
Tomato (Rot, blight.)	Plants 6 inches high, Bordeaux.	10-14 days, repeat.	2 weeks, repeat.	Pick off worms.

NOTE—For San Jose scale, on trees and shrubs, spray with lime-sulphur mixture in autumn after the leaves have fallen, or in early spring before buds swell. For leaf-wilt, scab, anthracnose, and blight of flowers or shrubs, use half-strength Bordeaux; if insects are also present, use Bordeaux-arsenate. Any of these sprays can be had of the seedsmen advertising in this issue of THE SEMI-MONTHLY MAGAZINE.

THE fight against insect pests must begin early and be continued throughout the season, until the frosts of winter kill all but those which hibernate, and even these should be sought for. But there is no time like the early part of the season to kill off and prevent the birth of hordes of noxious insects.

Most of the garden-plaguing insects have a narrow habitat; many of them could not, if they would, get beyond the confines of the garden in which they are born, and most of them upon reaching maturity at once begin the propagation of their species within a few feet of the spot on which they first saw the light.

As you will note from the remedies given below, we must plan to catch different forms of insect life. The soft-bodied ones we kill by the action of some corrosive chemical compound upon the soft tissues of which they are composed, as the aphid; the biting or chewing insects, which chew and swallow the foliage, as the various forms of beetles, which we kill by Paris green or other poison; and the sucking, hard-bodied insects, which suck the juices of the plants and which cannot be poisoned, and which we kill by some stronger corrosive or pick by hand. Then there are parasitical insects, so minute that they are commonly called diseases, as the different forms of "rot," or "scab." These can generally be killed by some of the corrosive chemicals or washes. The names of some de-

structive insects and the best means of killing them are:

Slugs—These are soft-bodied creatures, frequently covered with a shell. They attack many species of greenhouse plants, lettuce, violets, etc. **Remedies:** They live in moist places, hence drainage where practicable. Trapping with cabbage-leaves, sweetened bran, poisoned powdered lime sprinkled over the soil about the plants.

Soil-bugs—These are 14-legged animals and feed largely upon decayed vegetation, sometimes attacking growing plants. **Remedies:** Slice juicy potatoes, dust them with Paris green and lay in places frequented by the bugs.

Millipedes—Commonly known as "thousand-legs." They frequent greenhouses and some species attack the roots of growing plants, especially the violet. **Remedy:** Trapping with poisoned vegetables the only cure.

Red Spiders—These creatures are so minute that it requires very careful examination to see them on the under sides of plants. The affected leaves curl downward and lose their color. Affecting both indoor and outdoor plants, they are especially harmful to the sweet pea. **Remedy:** Flowers of sulphur mixed with water in the proportion of one ounce to a gallon of water, and sprayed on the under side of the affected plants. For this purpose the best appliance is a force spray pump with a fine nozzle.

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