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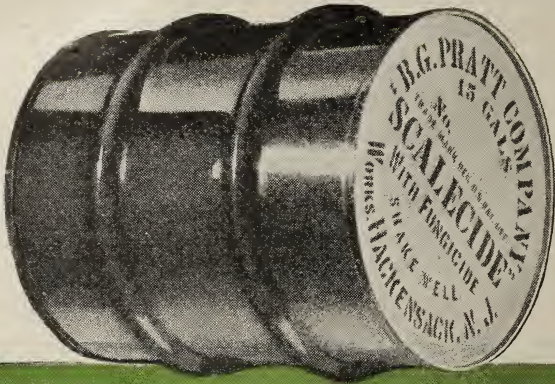
ECONOMY

of

SCALECIDE

The **COMPLETE
DORMANT
SPRAY**





*This New Fifteen-Gallon Drum
Shows by Direct Comparison that
Scalecide is not Expensive*

SOME growers, although they believe in the effectiveness of Scalecide, still have the idea that it costs too much. Our new economy package shows by direct comparison that the cost of Scalecide is not more than the average cost of lime-sulfur. This new package contains enough material to spray, until they drip, the same trees as a fifty-gallon barrel of lime-sulfur. It contains 15 gallons of Scalecide and weighs only 135 lbs. It costs \$11.50 delivered at your railroad station (east of the Mississippi). Drums extra, but returnable.

This new 15-gallon drum shows that the cost of the required amount of each material to spray the same trees is practically the same for both Scalecide and lime-sulfur. When

SCALECIDE

you buy Scalecide in 50-gallon barrels it is still more economical.

There is also a saving in hauling and handling Scalecide. Instead of sending a truck to the railroad station for a 50-gallon barrel of liquid lime-sulfur, weighing 600 lbs., you can bring home the 135-lb. drum of Scalecide on the running board of your car. This drum of Scalecide actually weighs less than enough dry lime-sulfur to spray the same trees. A 135-lb. drum of Scalecide replaces a 600-lb. barrel of lime-sulfur, liquid, or a 150-lb. keg of lime-sulfur, dry.

Scalecide Costs Much Less to Apply

There is a big saving of labor in applying Scalecide because it goes farther—though covering the trees more thoroughly just as any oil will go farther and cover a surface better than whitewash. A tankful of dilute Scalecide covers twice as many trees as the

ECONOMY *through Initial Cost and No Freight to Pay*

Some sprays can be purchased for less initial cost than Scalecide. But many sprays cost much more by the time you have paid the freight and cartage.



same tankful of dilute lime-sulfur. The saving is not only in the cost of applying one-half as much material, but especially in filling and hauling one-half as many spray-tanks through the orchard. The larger the orchard the more apparent the saving becomes. In one of our own orchards 11,000 gallons of dilute Scalecide sprayed the same trees as 25,000 gallons of dilute lime-sulfur had the previous year. See the diagram on pages 13 and 14.

Scalecide as a Spray in Comparison with Lime-Sulfur

Not only is Scalecide economical to buy, but it is guaranteed to do better work than lime-sulfur. Read the full guarantee on the outside back cover of this booklet. This guarantee, which has been published for 9 years without a single grower to request his money out of the thousands who use Scalecide annually, proves the position Scalecide holds in relation to lime-sulfur.

ECONOMY *through Less Cartage*

You need handle and haul only 135 pounds Scalecide as against 600 pounds liquid lime-sulfur, or 150 pounds dry.



Scalecide is more pleasant to use. It does not burn the skin and contains no gritty sediment to clog the nozzles and ruin the spray machinery. Scalecide goes through the sprayer like so much rich milk. Many lime-sulfur users in the past have been deterred from using Scalecide on account of the erroneous impression that Scalecide was more expensive than lime-sulfur. But now that you can buy Scalecide in an amount to do the same work as lime-sulfur for practically the same cost, is there a grower who can afford not to use Scalecide?

Scalecide as a Spray in Comparison with Other Oils

Miscible Oils. Scalecide is a miscible oil and not an oil emulsion. The difference can be explained briefly in that an oil emulsion is a mechanical mixture of an oil and water. A miscible oil is a chemically-treated oil that mixes instantly with water and stays mixed, the oil globule being much smaller than in an emulsion.

Scalecide has never been duplicated except in appearance. For Scalecide contains a large percentage of expensive oils which we are able to put into Scalecide and still sell it at a reasonable price because of the economies of special processes of manufacture and large quantity production. We believe it is these expensive oils which account for the remarkable tree invigoration and control of certain diseases that no other spray gives.

Carboleine is a cheaper miscible oil that we have manufactured for many years for those growers who want a cheap oil spray. In fact, next to Scalecide it is the oldest commercial miscible oil. It will kill every scale you hit with it. In our process of manufacture we can make and sell Carboleine at the remarkable low figure of \$20.00 per 50-gallon barrel, container included, F.O.B. our factory, Hackensack, N. J.

Imitations of Carboleine are sometimes sold as imitations of Scalecide just below the price of Scalecide. But they are not Scalecide and there is no other spray, including Carboleine, that can be compared with Scalecide for they do not contain the material nor can they do the work of Scalecide.

Oil Emulsions. It is an interesting paradox that 20 years ago the safety of Scalecide was questioned because of the danger experienced in the use of oil emulsions. Today oil emulsions are assumed to be safe on account of the success and safety of the use of Scalecide for the past 20 years.

As pioneers in the manufacture of oil sprays we have been asked to make oil emulsions along the lines of Government formulæ, and because of our many years of experience as oil chemists we have been able to produce oil emulsions of a quality and stability not obtainable elsewhere. If you insist on using oil emulsions, write us for prices.

When we offer you Scalecide—The Complete Dormant Spray—as the best dormant spray, we have taken into consideration not

only lime-sulfur, but miscible oils and the new oil emulsions, and not only ordinary oil emulsions but the best that can be manufactured. The labor in spraying costs so much that it is not economical to spray with any material that does not give the maximum results. There is great economy in Scalecide.

What Scalecide Does

All this economy of Scalecide would go for naught if it were not for the effectiveness of Scalecide as a dormant spray.

Scale. Twenty years ago Scalecide was first manufactured to control scale. This it did better than anything else that had ever been compounded and since then in all these years no spray has ever been made to exceed the killing power of Scalecide against scale. In some sections it has been demonstrated that the scale has become resistant to lime-sulfur treatment, but this could not happen

ECONOMY *through Less Waste and No Spreader Needed*

Because of its oily nature Scalecide spreads out in a thin film and penetrates into cracks and crevices without the addition of a spreader.



with Scalecide as it shuts off its breathing pores and the scale almost instantly smothers. We know of no scale insect in any country of the globe that the proper application of Scalecide has failed to control. Hence, its name is truly—Scalecide.

Aphis and Red Bug. If the dormant spray is applied late in the Spring (delayed dormant spray) just as the buds are swelling and the Aphis hatching, Scalecide (1—15) alone will kill aphis without the addition of Nicotine. If you did not apply the delayed dormant spray and Aphis are appearing, a combination of 1 gallon of Sulfocide and 2 gallons of Scalecide to 200 gallons of water as a Prepink or Pink Spray has proven to be a very powerful contact spray for Aphis and Red Bug. The Sulfocide also acts as a fungicide for scab. This combination seems to be more powerful than either of the materials used separately. We do not advise the com-

ECONOMY *through Less Labor*

15 gallons Scalecide, making 240 gallons of spray, sprays the same trees as 50 gallons of lime-sulfur, making 450 gallons of spray. See chart pages 13 and 14.



combination of Scalecide and Nicotine nor is there any necessity for it, as there is nothing that the Nicotine can do at the time the Scalecide is applied that the Scalecide will not do equally as well.

Fire Blight Cankers. Fire Blight lives over the Winter in the form of cankers along the body and main limbs of the trees. It is infection from these cankers, usually carried by insects, which causes twig and blossom blight. A certain percentage of these cankers will naturally die out over the Winter, but twig and blossom blight can only come from this source. A regular dormant application of Scalecide, either Spring or Fall, will cause the cankers to heal up, and if there is no outside infection blight is eliminated from your orchard.

So remarkable has this work been in orchards throughout the country, even beyond scientific explanation, that we are spending a large sum each year for scientific research to explain the results fruit growers are obtaining. This work is being carried on entirely out of our control simultaneously in the worst blight-infested areas of the country, so that the results will be completely impartial and uninfluenced by anyone interested in Scalecide. But what other growers are doing now in their orchards you can do. Whether the reasons for these results are clearly understood or not, it is the results that matter most anyway. An annual spraying of Scalecide is the best blight canker insurance known today. See that your trees are so protected each year.

Tree Invigoration. A regular dormant application of Scalecide has a tendency to increase the vigor of your trees as evidenced by larger and darker foliage, increased terminal growth, and foliage being held on later in the Fall. This makes for plumper fruit spurs and a better chance for a crop the following year. See that your trees have the benefit of this complete dormant spray each year and enhance the chance for regular annual crops. Mr. Berckmans of Berckmans Bros., Mayfield, Ga., says that he has had a bumper crop every year since using Scalecide.

Pear Psylla. This insect, in some sections the bane of the pear grower, can be entirely controlled if the work is only planned far enough ahead. An application of Scalecide will kill the adult psylla. The best control is obtained by spraying in the Fall or early Winter when the insects are sluggish, although satisfactory control is often obtained by spraying in the early Spring. It is too late for good results in the late Spring after the psylla have laid their eggs.

Leaf Roller. In some parts of the West and periodically in sections of the East, leaf roller is one of the most destructive pests. On account of its habits it cannot be satisfactorily controlled by a poison summer spray. It lives over the Winter in the form of egg masses on the branches. Scalecide is one of a very few materials with a record of 100 per cent. leaf roller control, although this, as you know, depends greatly on the thoroughness of the application. The best control is obtained by spraying with Scalecide as

a delayed dormant spray to kill the egg masses and prevent them from hatching.

Pear Thrips. This insect often, unnoticed, sucks the vitality of the tender buds, reducing, if not destroying, the crop. Use Scalecide as a delayed dormant spray to kill the young insects just hatched.

European Red Mite. This insect does considerable damage to both apples and peaches. It lives over the Winter in the form of clusters of minute red eggs on the branches. Scalecide applied as a delayed dormant spray has proven a very effective control.

Tent Caterpillars. Spray with Scalecide (1—15) as a delayed dormant spray to kill the young caterpillars just hatched. Scalecide (1—15) applied to the egg masses before they hatch will kill about 75 per cent. of them, but enough will hatch to cause considerable injury. If you did not apply the delayed dormant application, the combination

ECONOMY *through Less Worry*

When you have applied Scalecide you can rest assured that you have done all that can be done at that time by any dormant spray or combination of sprays.



of 1 gallon of Sulfocide and 2 gallons of Scalecide to 200 gallons of water should be applied as a Pink or Pre-pink Spray to kill the young insects by contact before the nests have been established. The Sulfocide also acts as a fungicide for scab, and the combination of Scalecide and Sulfocide at this strength will not injure the young foliage just coming out.

Root Rot and Woolly Aphis at the Roots. If your trees in Midsummer look sickly, having poor foliage or are setting a large crop of little fruit, look for trouble at the roots. If you have woolly aphis at the roots or root rot, pull the earth away from the base of the sickly trees and pour in Scalecide (1—15) using about twice as much material as it will take to spray the tops of the trees, or more if needed to soak the roots well. We have saved many trees in our own orchards by this method and recommend it to you.

ECONOMY *through a Complete Job
Without the Addition of
Nicotine or Anything Else.*

Scalecide alone as a delayed dormant spray controls Aphis without Nicotine. At the same spraying Scalecide controls other pests too.



Citrus Trees. Scalecide has been used for many years for the control of scale insects on citrus trees. Use Scalecide, 1 to 50, during the dormant season. Repeat as often as necessary. For white fly and rust mite, spray with Scalecide, 1 to 75, after the fruit has formed.

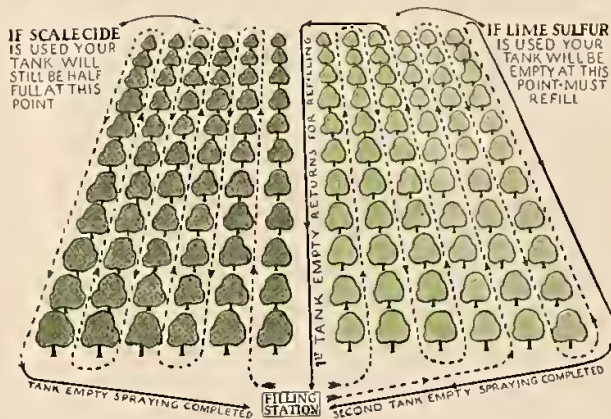
Evergreens. Spray with Scalecide, 1 to 25, just as the new growth starts in the Spring for scale and soft-bodied sucking insects. Some gardeners use stronger dilutions than this earlier in the Spring, and some spray with Scalecide even later in the Summer.

Small Fruits. Never omit the dormant spray with Scalecide, 1 to 15, on grapes, currants, gooseberries, raspberries and blackberries. The invigorating effect of Scalecide is very noticeable on grapes, and, as the vines after pruning are small, they require very little material to spray them thoroughly and it is well worth the cost.

Ornamental Shrubs. Such shrubs as lilacs, spiraea, dogwood, etc., that shed their foliage in winter, including roses, will be benefited by a regular dormant spraying with Scalecide. If they are not affected with scale, the invigorating and fungicidal effect of Scalecide will still be of great value. The characteristic polished appearance given the bark of trees and shrubs sprayed with Scalecide is very valuable to ornamentals. Write for our booklet, "Spraying the Home Garden," containing a special treatise on rose culture.

How Scalecide Cuts the Cost of Spraying

Suppose we consider two equal blocks of 66 trees, one to be sprayed with Scalecide and the other with lime-sulfur. We start with 12½ gallons of Scalecide diluted in a 200 gallon spray tank. At the same time we start with 22½ gallons of lime-sulfur in a 200 gallon spray tank. Both machines are spraying with equal thoroughness, but the lime-sulfur sprayer finds when he has sprayed 33 of these large trees his tank is empty and he must haul back to the filling station and refill. The Scalecide man finds when he has sprayed 33 trees his tank is still half full so he continues on and finishes just about the time the lime-sulfur sprayer has refilled and is starting out a second time with only half of his trees sprayed. The cost of applying Scalecide is only half that of lime-sulfur.



PRICES

SCALECIDE

	Shipping Weight	F.O.B. Hackensack, N. J.	Freight Paid Prices*
50-gal. bbls.	458 lbs.	\$36.50	\$38.00
15-gal. drums	135 "	11.50
Drums \$2.00 extra but returnable at same price			
F.O.B., Hackensack, N. J.			
2 5-gal. cans in case..	99 lbs.	\$9.45	\$10.60
1 5-gal. can in case....	50 "	5.10	6.25
1 gal. can in case.....	11 "	1.40	1.75
1 qt. can in case.....	3 "	.60	.75

Quarts and gallons shipped by Parcel Post or Express only. Returned drums accepted only when consigned to us at Hackensack, N. J., freight prepaid.

* Freight prepaid to any railroad station east of the Mississippi River.

SULFOCIDE

A fungicide for summer spraying. Write for special booklet on directions and uses.

	Shipping Weight	
50-gal. bbls.	650 lbs.	\$60.00
30-gal. bbls.	400 "	39.00
2 5-gal. cans in case...	150 "	15.00
1 5-gal. can in case....	70 "	8.75
1 gal. can in case.....	15 "	2.25
1 qt. can in case.....	4 "	.75
1 pint can in case.....	3 "	.50

Freight prepaid east of the Mississippi River on orders of 10 gallons or over.

CARBOLEINE

In 50-gal. bbls. only \$20.00, container included, F.O.B. Hackensack, N. J.



*The Fruit of Your Labor
What will it be ?*

WE GUARANTEE that, if you will divide an orchard, your worst or best, in two parts equal in general condition, and for three years spray one part with SCALECIDE according to our directions and the other part with lime sulfur, giving the same summer treatment to both parts, the part sprayed with SCALECIDE will be better than the part sprayed with lime sulfur—in the judgment of three disinterested fruit growers—or we will refund the money you have paid for the SCALECIDE.

For Sale By

CONYERS B. FLEU, Jr.

Germantown . Philadelphia, Pa.