SPRAY CALFNDAR --- Revised Up to Date for "The Farmer's Advocate" By L. Cacsar, Ontario Agricultural College, Guelph

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PLANTS AND PESTS	1st APPLICATION.	2nd APPLICATION.	3rd APPLICATION.	REMARKS.
moth and other bitin insects, scale insect blister mite an aphids. (Consult bu letins 187, 194, 198 an 219.)	ferably the latter. Us Alor B. For San Jos cale prune severely scrape off loose bar	open. Use A2 or D, with 2 or 3 lbs. arsenate of bad to each 40 gals. of the liquid.	blossoms have all, or nearly all, fallen, and	with A 3, without any poison, if the interval, owing to cool, damp weather, threatens to be long. Spraying with the weaker A3 early in August is an insurance against sooty fungus and late scab. If aphids are annually troublesome, delay 1st application till buds begin to burst, then add Black Leaf 40 or nicotine-sulphate 40% to A1 or B and cover every bud. For cankers out
ing insects, scale in sects, blister mite psylla and slug. (Consult bulletins 176, 18 and 219.)	Use A1 or B. For Sar José scale see above un der Apple.	open. Use A2 or D. with 2 or 3 lbs arsenate	Just after blossoms have	severely blighted to save. Throughout growing season witch
PLUM AND CHERRY Black knot, brown rot leaf blight or shot-hol fungus, curculio, slug aphids and cherry fruit flies. (Consult bul letins 219, 226, 227 and 230.)	Just before or as the buds are bursting. Use Al or B. For San José scale see above under	ars nate of lead to 40	About two weeks later. Use A3 or D, with 3 lbs. arsenate of lead to 40 gals.	to all cherry trees just as Early Richmonds are getting a solid
peach, curculio, borer, San José scale, shot- hole borer. (Consult bulletin 241.)	done before any sign of bursting of buds.) Use	of lead and 1 or 2 lbs. freshly slaked lime to 40	About one month after fruit is set. Use C if troubled by brown rot, or dust with sulphur. Good pruning and thinning the fruit help to control the disease.	If brown rot is likely to be troublesome use C again about one month before fruit ripens, or dust with sulphur. Destroy mummied fruit in autumn. Remove at once and burn any tree attacked by yellows or little peach, and also all suspected trees. Dig out borers at base of tree with knife in May and again in October. For shot-hole borer cut down and burn before April all dead or dying trees or branches, and leave no brush heaps near orchard.
anthracnose, flea- beetle, leaf hopper. (Consult bulletin 237.)		Just after the fruit has set use D.		Spray again whenever wet weather threatens. It should always be done before, not after rain. At first sign of powdery mildew dust with sulphur or spray with C. For flea-beetles use poison whenever they appear. For leaf-hoppers or "thrips" use Black Leaf 40 or nicotine-sulphate 40%, or whale oil soap in July to destroy nymphs. Clean cultivation is very important and destruction of all old mummied grapes and prunings.
CURRANT AND GOOSEBERRY. Mildew, leaf-spot, cur- rant worm, aphids, red, spider and San José scale. (Consult bulletin 222.)	Shortly before or as buds burst use A1 or B. For San José scale prune and spray heavily.	Just before blossoms appear, use A2, with 2 lbs. arsenate of lead to 40 gals.	ust after fruit is formed use A2, with 2 lbs. arsenate of lead to each 40 gals.	For worms when fruit is ripening, use hellebore. Look for aphids just as buds burst; if present spray with Black Leaf 40 or kerosene emulsion or whale-oil soap, or postpone 1st application till then, and add Black Leaf 40 or nicotine-sulphate 40% to A1 or B.
RASPBERRY AND BLACKBERRY. Anthracnose, red rust, crown gall. (Consult bulletin 210.)	Before growth begins use D. Omit if not troubled by anthracnose.	When shoots are 6 or 8 inches high use D. Omit if no anthracnose.	f caterpillars are attacking the leaves use 2 lbs. arsenate of lead to 40 gals. water if no danger of poisoning the fruit; otherwise use I oz. helleboreto 1 gal. water.	If anthracnose is very severe, set out new plantation of healthy shoots. If disease begins, cut out old canes as soon as fruit is picked, also badly attacked new ones, and burn. For red rust remove and burn plants at once. No other remedy. For crown gall set out plants in fresh soil, rejecting any plant with a gall or root on crown.
STRAWBERRY. Leaf-spot and white grub. (Consult bulletin 210.)	For leaf spot set out only healthy plants with no sign of disease. First season spray with D before blossoms open, and keep plants covered with Don't take more than two crops off. Plow down at once after second crop. For white grubs dig out as soon as injury is noticed; do not plant second crop is a great aid against pests.			
BEAN Anthracnose and bac- teriosis. (Consult bul- letin 171.)	Get seeds from pods showing no signs of disease. Do not work among the plants if they are wet with rain or dew. Spraying scarcely pays as a rule. Some strains seem to be nearly immune to anthracnose.			
	For flea-beetle on turnip sow after June 21st, or dust plants as soon as they appear above ground with Paris Green, or spray with Bordeaux and a poison and a sticker. Repeat in two days. For caterpillars dust with Paris Green until heads begin to form on cabbage and cauliflower, plants are set out, or set out plants after July 1st. For aphids use kerosene emulsion as soon as they appear, or 1 lb. common laundry soap dissolved in 4 gallons water. Hit them hard with the spray.			
POTATO.	Keep foliage covered with D from time plants are about 5 inches high. Take special precautions to see this is well done if weather is at all damp after about 15th July, as the late blight begins about this time. Add a poison to each application when necessary. For scab, soak tubers used in same liquid. Plant none but perfectly healthy tubers.			
TOMATO. Leaf blight, black rot, flea-beetle. (Bulletin 171.)	Spray plants in seed-bed with D. Keep foliage in field covered with D until danger of staining fruit. Add a poison if necessary for flea-			
ASPARAGUS. Rust, beetles. (Bulletin 171.) Rose, —A1 = Concentrated lime-sulphur strength 1:030 specific again.				
Note.—Al = Concentrated lime-sulphur strength 1:030 specific gravity (1:035 for San José scale) (1:030=1 gal. Commercial to 9 gals. water, and 1:035=1 gal. A2 = Concentrated lime-sulphur strength 1:010 or 1:009 specific gravity=1 gal. Commercial to from 30 to 35 gals. water. B = The old home-boiled lime-sulphur, 20.15.40 formula. C = Self-boiled lime-sulphur. D = Bordeaux mixture, 4.4.40 formula.				