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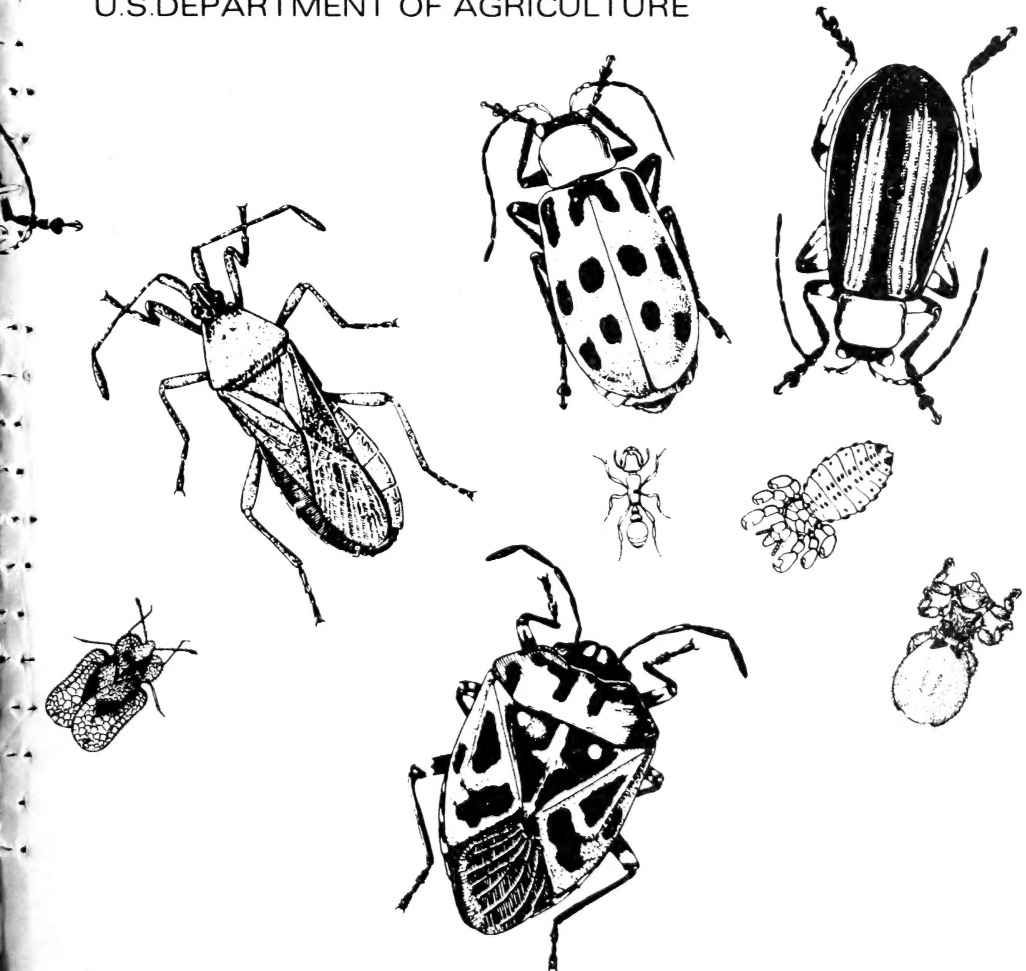
Cooperative Economic Insect Report

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PROCUREMENT SECTION
CURRENT SERIAL RECORDS

Issued by
PLANT PROTECTION AND QUARANTINE PROGRAMS
ANIMAL AND PLANT HEALTH INSPECTION SERVICE
U.S. DEPARTMENT OF AGRICULTURE



ANIMAL AND PLANT HEALTH INSPECTION SERVICE
PLANT PROTECTION AND QUARANTINE PROGRAMS
PEST SURVEY AND TECHNICAL SUPPORT STAFF

The Cooperative Economic Insect Report is issued weekly as a service to American Agriculture. Its contents are compiled from information supplied by cooperating State, Federal, and industrial entomologists and other agricultural workers. In releasing this material the Service serves as a clearinghouse and does not assume responsibility for accuracy of the material.

All reports and inquiries pertaining to this release, including the mailing list, should be sent to:

CEIR
Pest Survey and Technical Support Staff
Plant Protection and Quarantine Programs
Animal and Plant Health Inspection Service
United States Department of Agriculture
Federal Center Building
Hyattsville, Maryland 20782

COOPERATIVE ECONOMIC INSECT REPORT**HIGHLIGHTS**Current Conditions

CORN EARWORM severely damaged soybeans in Alabama. (p. 709).

GREENBUG heavy on winter wheat in Nebraska and South Dakota. (p. 709).

First POTATO SCAB GNAT incident in Idaho in 20 years. (p. 711).

Detection

A CONIFER APHID reported for the first time in Virginia. (p. 712).

For new county records see page 714.

Special Reports

Gypsy Moth. Additional Selected References 1967-1969. (pp. 717-718).

Pink Bollworm Quarantines. Map. (Centerfold).

Reports in this issue are for week ending October 13 unless otherwise indicated.

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NATIONAL WEATHER SERVICE'S 30-DAY OUTLOOK

MID-OCTOBER TO MID-NOVEMBER 1972

The National Weather Service's 30-day outlook for mid-October to mid-November calls for temperatures to average below seasonal normal over the eastern half of the Nation except for near normal along the north Atlantic Coast and in Florida. Below normal temperatures are also indicated for the central Plateau region. Above normal temperatures are expected along the Pacific Coast and also in northern Montana. In unspecified areas near normal temperatures are in prospect. Precipitation is expected to exceed normal over the northeastern quarter of the Nation as well as the central and south Pacific Coast. Subnormal totals are indicated for the Northwest and also the Gulf Coast States and Florida. Elsewhere near normal amounts are expected.

Weather forecast given here is based on the official 30-day "Resume and Outlook" published twice a month by the National Weather Service. You can subscribe through the Superintendent of Documents, Washington, D.C. 20250. Price \$5.00 a year.

SPECIAL INSECTS OF REGIONAL SIGNIFICANCE

CORN EARWORM (Heliothis zea) - ALABAMA - Larval damage severe in Baldwin and Mobile Counties on almost all 200,000 acres of soybeans. This pest and foliage feeders damaged most fields in Covington County. (Turner et al.). TENNESSEE - Corn earworm damaged 7 percent of pods in snap bean fields in Cumberland County. (Mullins).

BEEF LEAFHOPPER (Circulifer tenellus) - CALIFORNIA - Nymph emergence slowed due to unseasonably cool weather during September in all spray areas. Breeding still occurring and hatch expected over next 21-28 days. Populations in Kern County ranged 60-70 percent nymphs in some areas. Percentage of first and second instar nymphs low in most treatment areas. (Cal. Coop. Rpt.).

GREENBUG (Schizaphis graminum) - NEW MEXICO - Ranged 3-8 per square foot of barley at Hobbs and Lovington, Lea County. (N.M. Coop. Rpt.). TEXAS - Light, 1-5 per row foot of wheat, in 21 panhandle counties September 21 to October 2. (Daniels). KANSAS - Heaviest, 0-12 per drill row foot, in Wichita County. (Bell). NEBRASKA - Scattered light to moderate damage to winter wheat. Occasional spots in 2 fields discolored in Gage County; counts numbered 100+ per linear foot of drill row. Up to 150 per plant in Polk County field; about 25 percent of this 6-acre field destroyed. Light in Dawson County. Light in winter wheat from North Platte, Lincoln County, south to Frontier and Red Willow Counties. (Campbell). SOUTH DAKOTA - Continues to damage untreated winter wheat throughout winter wheat range in State. Completely destroyed untreated wheat east of Chamberlain, Brule County, to near Bear Butte in western Meade County. Untreated winter wheat in test plots near Kennebec, Lyman County, had up to 5,710 aphids per 3 feet of row. About 0.75-1.0 inch of precipitation on October 4-5 helped wheat. Daytime temperatures in the 60's and 70's helped parasites and lady beetles to maintain above normal populations. (Jones).

SPOTTED ALFALFA APHID (Therioaphis maculata) - ARIZONA - Counts of 3,000 per 100 sweeps of alfalfa from one Gila Valley field and 200 per 100 sweeps from Yuma Mesa, Yuma County. (Ariz. Coop. Sur.). OKLAHOMA - Moderate on alfalfa in Washita, Beckham, Caddo, and Custer Counties. (Okla. Coop. Sur.).

CORN, SORGHUM, SUGARCANE

EUROPEAN CORN BORER (Ostrinia nubilalis) - KANSAS - Infested corn-stalks by county: Greeley 4 percent (1 field), Lane 0-12 percent (2 fields), and Ness 20 percent (1 field). Collected and determined by M. Shuman. These are new county records. (Bell). NORTH DAKOTA - Fall survey showed increase in southeast district. Borers up to 650 (averaged 140) per 100 plants; averaged 130 per 100 plants in 1971. Decreased in Cass, Dickey, and Sargent Counties. Increased in Richland and Ransom Counties. Infested plants up to 100 (average 53) percent; averaged 52 percent in 1971. No second-brood larval infestation this season. (Brandvik, Kaatz). WISCONSIN - Fall survey completed. Decreased in all districts except in the north-central; east-central district remained the same. Fivefold decrease in southwest and west-central districts. (Wis. Ins. Sur.).

ILLINOIS - Larvae of Ostrinia nubilalis, almost 5 per plant, infested 3 fields of field corn in Henderson County with 40 percent of stalks broken below the ear and 10 percent of ears on the ground. An exceptional case, overall populations low for 1972. (Ill. Ins. Rpt.). KENTUCKY - Percent plants infested (and borers per 100 plants) by county: Daviess 39.2 (21.6), Hopkins 19.2 (6.0), Warren 6.0 (none). (Barnett). VERMONT - Fall survey complete. State averaged 14.8 percent infested corn and 14.4 borers per 100 plants. Heaviest in Grand Isle County with 42 percent infested corn and 43 borers per 100 plants. (Benedict).

SOUTHWESTERN CORN BORER (Diatraea grandiosella) - OKLAHOMA - Heavy on corn in Cimarron County. (Okla. Coop. Sur.). ALABAMA - Severe lodging of cornstalks still reported in Morgan and Blount Counties. (Rutledge, Lloyd). KENTUCKY - Collected October 10 by D. Barnett in Hardin County. This is a new county record. (Barnett).

SORGHUM WEBWORM (Celama sorghiella) - KANSAS - Moderate on heads of late sorghum in Woodson County; trace in late sorghum in Coffey County. (Bell).

SORGHUM MIDGE (Contarinia sorghicola) - MISSISSIPPI - Heavy, averaged 10 per head in 10-head sample, in late-planted Noxubee County sorghum field. Destroyed 60 percent of grain in each head. (Robinson). KANSAS - Adults trace on blooming heads of late sorghum in Saline, Ottawa, and Coffey Counties. (Bell).

SMALL GRAINS

FALL ARMYWORM (Spodoptera frugiperda) - OKLAHOMA - Larvae declined in many areas due to pupation. Still moderate to heavy on small grains in Pawnee, Roger Mills, Cleveland, Love, and Marshall Counties. (Okla. Coop. Sur.).

TURF, PASTURES, RANGELAND

FALL ARMYWORM (Spodoptera frugiperda) - TEXAS - Heavy on Coastal Bermuda pastures in Brazos County past 7 days. Controls applied. (Cole). MISSISSIPPI - Larvae damaged 600 acres of ryegrass in Madison County. (Robinson).

FORAGE LEGUMES

ALFALFA CATERPILLAR (Colias eurytheme) - ARIZONA - Adult flights heavy at Safford, Graham County. (Ariz. Coop. Sur.). NEW MEXICO - Larvae light, 5-10 per 25 sweeps, on alfalfa at Hobbs and Lovington, Lea County. (N.M. Coop. Rpt.).

GREEN CLOVERWORM (Plathypena scabra) - OKLAHOMA - Heavy on alfalfa in Washita, Beckham, Caddo, and Custer Counties. (Okla. Coop. Sur.).

VELVETBEAN CATERPILLAR (Anticarsia gemmatalis) - ARKANSAS - Specimens collected from alfalfa October 2 in Jefferson County determined this species. Rare on alfalfa, common on soybeans in State. (Ark. Ins. Sur.).

PEA APHID (Acyrtosiphon pisum) - WISCONSIN - Heavy, 45-100 per sweep (5 percent males), in some alfalfa on light soil in western Dane and southern Sauk Counties. Much lighter in central and southwestern parts of State. (Wis. Ins. Sur.).

SOYBEANS

SOUTHERN GREEN STINK BUG (Nezara viridula) - ALABAMA - Adults and nymphs of this species and Euschistus servus (brown stink bug) approaching damaging populations in several Houston County soybean fields. Population and damage generally light over State for 1972. (Mathews et al.).

PEANUTS

REDNECKED PEANUTWORM (Stegasta bosqueella) - NEW MEXICO - Affected 30 percent of terminals in a peanut field in Lea County. (N.M. Coop. Rpt.).

EUROPEAN CORN BORER (Ostrinia nubilalis) - NORTH CAROLINA - Damage reported in 2 Hertford County peanut fields. Larvae in 5-10 percent of stems. Controls generally not practical this late in season. (Hunt).

COTTON

BOLL WEEVIL (Anthonomus grandis) - OKLAHOMA - Counts in late cotton averaged 11,000 per acre in irrigated fields and ranged 0-2,700 per acre in dryland fields in Washita County. (Okla. Coop. Sur.). ALABAMA - Up to 5 young weevils feeding per young boll in Cotton Pest Management Area of Elmore and Autauga Counties where in season controls stopped too soon before defoliation, especially in non-defoliated fields. Few weevils reached firm diapause. Very few weevils in 80+ percent of acres where full insect control maintained and followed by third diapause weevil control program. (Smith).

SUGAR BEETS

BEEF ARMYWORM (Spodoptera exigua) - ARIZONA - Problem on young sugarbeets at Yuma, Yuma County. (Ariz. Coop. Sur.).

POTATOES, TOMATOES, PEPPERS

POTATO SCAB GNAT (Pnyxia scabiei) - IDAHO - Infested potatoes collected by W. Henninger at Dry Lake area, Nampa, Canyon County. Potatoes, examined by B.J. Landis, found to be infested on October 2. First confirmed incident in State in 20 years. (Portman).

TOMATO PINWORM (Keiferia lycopersicella) - MISSISSIPPI - Heavy in greenhouse tomatoes in Copiah County. (Burnham).

GENERAL VEGETABLES

CABBAGE LOOPER (Trichoplusia ni) - ARIZONA - Treatments applied to lettuce in Yuma and Maricopa Counties. (Ariz. Coop. Sur.). MARYLAND - Fully grown larvae ranged 1-2 per 10 row feet in 100 acres of spinach near Galena, Kent County. Controls applied. (U. Md., Ent. Dept.).

DECIDUOUS FRUITS AND NUTS

FALL WEBWORM (Hyphantria cunea) - NEW MEXICO - Heavily damaged or completely defoliated many pecan trees in Dona Ana County. (N.M. Coop. Rpt.). TEXAS - Infested pecan and shade trees in Travis, Caldwell, Gonzales, Guadalupe and De Witt Counties. Populations declined. (Cole).

WALNUT CATERPILLAR (Datana integerrima) - OKLAHOMA - Larval damage on pecan trees still reported moderate to heavy in Bryan, Oklahoma, and Cleveland Counties. (Okla. Coop. Sur.).

BLACK PECAN APHID (Tinocallis caryaefoliae) - ALABAMA - Populations and damage of this species and Monellia spp. (yellow aphids) still heavy in Baldwin, Macon, Covington, Bullock, Dale, and other counties in southern area. Some controls still planned. (Turner et al.).

APPLE GRAIN APHID (Rhopalosiphum fitchii) - WISCONSIN - Alates heavy on Prunus spp. in western Dane County; colonies built up. No eggs found but nymphs contain eggs. (Wis. Ins. Sur.).

PEAR PSYLLA (Psylla pyricola) - UTAH - Adults very heavy in orchard at mouth of Providence Canyon, Cache County. (Davis).

ORNAMENTALS

A CONIFER APHID (Cinara canadensis) - VIRGINIA - Taken on juniper in Montgomery County July 6, 1972, by J.A. Weidhaas. Determined by J.O. Pepper. This is a new State record. (Allen).

CRAPEMYRTLE APHID (Tinocallis kahawaluokalani) - MARYLAND - Very heavy and injurious to plant at Baltimore. Population included males, oviparous females, new eggs, and viviparous females. Sexual forms rare. (U. Md., Ent. Dept.).

FOREST AND SHADE TREES

VARIABLE OAKLEAF CATERPILLAR (Heterocampa manteo) - OKLAHOMA - Heavy infestation on oaks in Bryan County declined. Fully grown larvae left trees in Payne County. (Okla. Coop. Sur.). ARKANSAS - Specimens submitted from Benton County. Determined by B.F. Jones. Much lighter in northwest area than farther south. Attacked by diseases and parasites in most areas. (Ark. Ins. Sur.). WEST VIRGINIA - Larval damage heavy on about 300 acres of scattered red and black oaks in Hardy County. (Jones, Oct. 4).

WALNUT CATERPILLAR (Datana integerrima) - TEXAS - Heavy on oak trees in Brazos County past 7 days. (Cole).

HEMLOCK LOOPER (Lambdina fiscellaria) - WEST VIRGINIA - Larvae caused heavy defoliation of one hemlock tree at Buckhannon, Upshur County. Collected by B.A. Smith October 2. This is a new county record. Larvae caused 75 percent defoliation of hemlocks in 3-acre area in Hancock County October 5. (Hacker).

SPINY OAKWORM (Anisota stigma) - TEXAS - Heavy on oaks at Conroe, Montgomery County, past 7 days. (Cole).

FALL WEBWORM (Hyphantria cunea) - NEW MEXICO - Damage heavy on many shade trees in most of State. Larvae, a nuisance around households. (N.M. Coop. Rpt.).

ELM LEAF BEETLE (Pyrrhalta luteola) - NEW MEXICO - Damage heavy to Siberian elms at Farmington, San Juan County. (N.M. Coop. Rpt.).

PINK



RESTRICTIONS ARE IMPOSED ON MOVEMENT OF REGULATED ARTICLES
FROM A REGULATED AREA AS FOLLOWS:

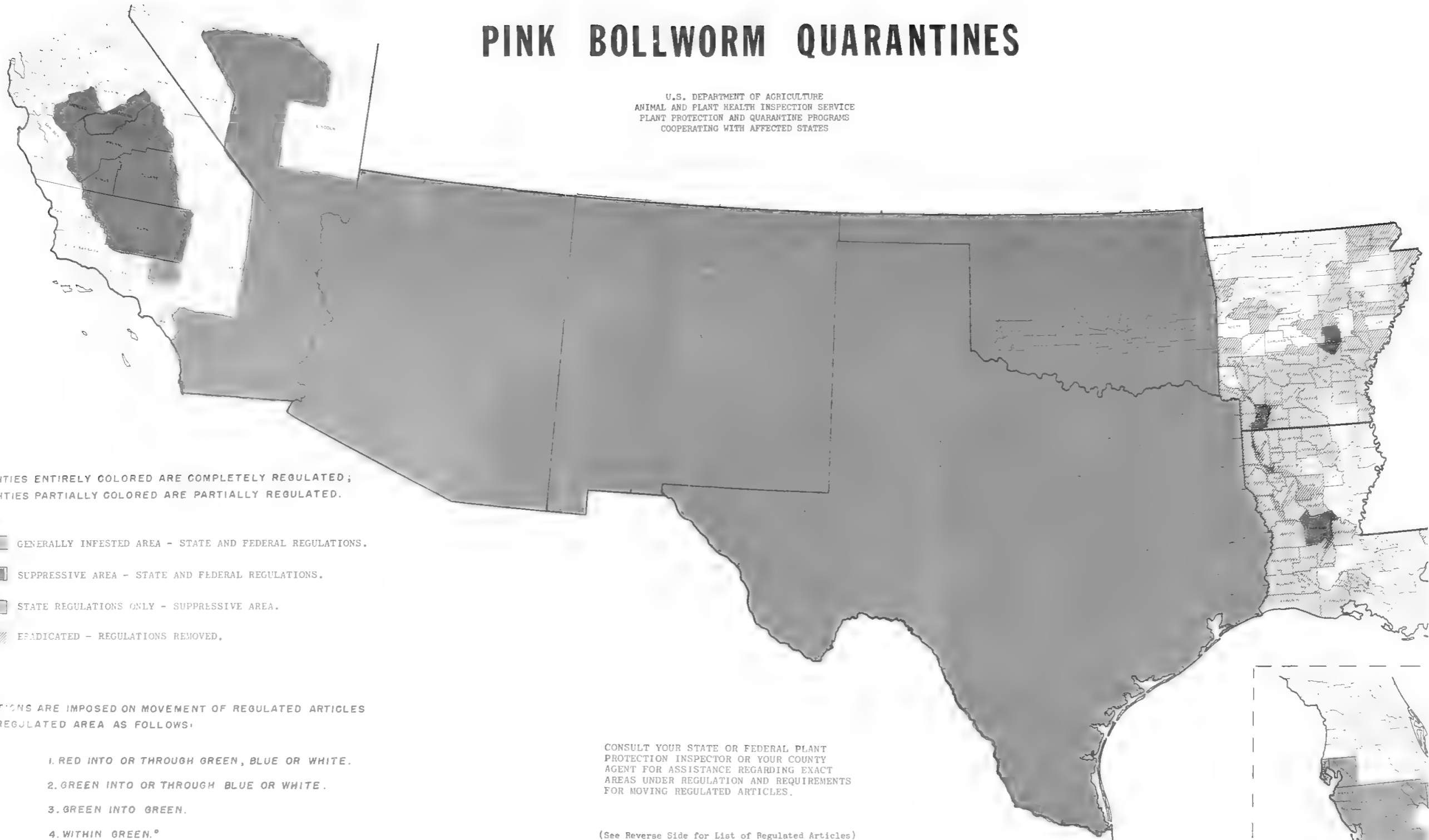
1. RED INTO OR THROUGH GREEN, BLUE OR WHITE.
2. GREEN INTO OR THROUGH BLUE OR WHITE.
3. GREEN INTO GREEN.
4. WITHIN GREEN.°
5. BLUE INTO ANY OTHER AREA.°°

IF IT IS DETERMINED BY THE INSPECTOR THAT A HAZARD OF SPREAD EXISTS,
IF REQUIRED BY STATE REGULATIONS OR BY AN AUTHORIZED INSPECTOR.







PINK BOLLWORM QUARANTINES

U.S. DEPARTMENT OF AGRICULTURE
 ANIMAL AND PLANT HEALTH INSPECTION SERVICE
 PLANT PROTECTION AND QUARANTINE PROGRAMS
 COOPERATING WITH AFFECTED STATES



COUNTIES ENTIRELY COLORED ARE COMPLETELY REGULATED;
 COUNTIES PARTIALLY COLORED ARE PARTIALLY REGULATED.

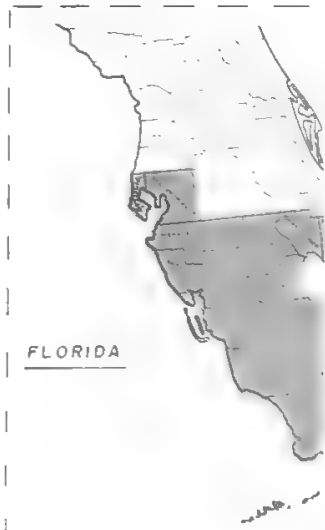
-  GENERALLY INFESTED AREA - STATE AND FEDERAL REGULATIONS.
-  SUPPRESSIVE AREA - STATE AND FEDERAL REGULATIONS.
-  STATE REGULATIONS ONLY - SUPPRESSIVE AREA.
-  ERADICATED - REGULATIONS REMOVED.

RESTRICTIONS ARE IMPOSED ON MOVEMENT OF REGULATED ARTICLES
 FROM A REGULATED AREA AS FOLLOWS:

1. RED INTO OR THROUGH GREEN, BLUE OR WHITE.
2. GREEN INTO OR THROUGH BLUE OR WHITE.
3. GREEN INTO GREEN.
4. WITHIN GREEN.^o
5. BLUE INTO ANY OTHER AREA.^{oo}

CONSULT YOUR STATE OR FEDERAL PLANT
 PROTECTION INSPECTOR OR YOUR COUNTY
 AGENT FOR ASSISTANCE REGARDING EXACT
 AREAS UNDER REGULATION AND REQUIREMENTS
 FOR MOVING REGULATED ARTICLES.

(See Reverse Side for List of Regulated Articles)



FLORIDA

IF IT IS DETERMINED BY THE INSPECTOR THAT A HAZARD OF SPREAD EXISTS
 IF REQUIRED BY STATE REGULATIONS OR BY AN AUTHORIZED INSPECTOR.

Revised May 31, 1972

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THE FOLLOWING REGULATED ARTICLES REQUIRE A CERTIFICATE OR PERMIT YEAR-ROUND EXCEPT AS INDICATED:

1. Cotton and wild cotton, including all parts of such plants.
2. Seed cotton.
3. Cottonseed.
4. Cottonseed hulls.
5. Cotton lint.
Baled cotton lint is exempt if compressed to a minimum of 22 pounds per cubic foot.
Baled cotton lint moving from the generally infested area into the suppressive area is exempt if the lint is from seed cotton produced in the suppressive area and moved to the generally infested area for ginning, provided the

12. Any other products, articles, or means of conveyance of any character whatsoever, not covered by the above, when it is determined by an inspector that they present a hazard of spread of the pink bollworm and the person in possession thereof has been so notified.

MAN AND ANIMALS

SCREWORM (Cochliomyia hominivorax) - Total of 3,547 confirmed cases reported in continental U.S. during period October 1-7 as follows: Texas 3,300; New Mexico 80; Arizona 98; Oklahoma 63; Arkansas 3; California 3. Total of 1,125 cases reported in Mexico. Number of sterile flies released in U.S. this period totaled 159,318,000 as follows: Texas 133,730,000; New Mexico 5,580,000; Arizona 12,900,000; Louisiana 1,708,000; Florida 4,200,000; Alabama 200,000; Georgia 1,000,000. Total of 29,912,000 sterile flies released in Mexico. (Anim. Health).

HORN FLY (Haematobia irritans) - OKLAHOMA - Ranged 750-1,000 per head on cows and averaged 3,500 per head on bulls in Payne County. Averaged 200 per head in Love County; moderate to heavy in Cleveland, Hughes, Comanche, and Bryan Counties. (Okla. Coop. Sur.). MISSISSIPPI - Adults averaged 600+ on 65 beef cattle in Oktibbeha County. Should be last generation before diapause. (Robinson).

STABLE FLY (Stomoxys calcitrans) - OKLAHOMA - Increased, ranged 12-15 per head, on untreated dairy cattle past 14 days in Payne County. (Okla. Coop. Sur.).

BENEFICIAL INSECTS

AN ENCYRTID WASP (Ooencyrtus kuwanai) - RHODE ISLAND - Released 30,000 against Porthetria dispar (gypsy moth) eggs in Providence County October 3. (Relli).

FEDERAL AND STATE PLANT PROTECTION PROGRAMS

PINK BOLLWORM (Pectinophora gossypiella) - NEW MEXICO - Percent infested bolls ranged 0-40 in Lea County cotton field. (N.M. Coop. Rpt.). OKLAHOMA - Lint cleaner inspections revealed 275-300 larvae per bale in Jefferson County and 10-15 per bale in Canadian County. Green boll infestations averaged 75 percent and 90 percent in 2 cotton fields in Bryan County, 100 percent and 90 percent in 2 fields in Marshall County, 100 percent and 40 percent in 2 fields in Love County, 75 and 60 percent in 2 fields in Johnston County, and 50 percent in 1 field in Grady County. Heavy green boll infestations also reported in southeastern Tillman County and a small ornamental planting in Noble County. (Okla. Coop. Sur.).

WESTERN GRAPELEAF SKELETONIZER (Harrisina brillians) - CALIFORNIA - Still active; infested area increased in Santa Clara County. Controls applied as new finds made. No commercial grapes involved. (Cal. Coop. Rpt.).

GYPSY MOTH (Porthetria dispar) - See BENEFICIAL INSECTS above.

THE FOLLOWING REGULATED ARTICLES REQUIRE A CERTIFICATE OR PERMIT YEAR-ROUND EXCEPT AS INDICATED:

1. Cotton and wild cotton, including all parts of such plants.
2. Seed cotton.
3. Cottonseed.
4. Cottonseed hulls.
5. Cotton lint.

Baled cotton lint is exempt if compressed to a minimum of 22 pounds per cubic foot.

Baled cotton lint moving from the generally infested area into the suppressive area is exempt if the lint is from seed cotton produced in the suppressive area and moved to the generally infested area for ginning, provided the identity of the baled cotton lint is maintained.

Samples of cotton lint of the usual trade size are exempt. The samples may be assembled in a single package for shipment.

6. Cotton linters.

Linters are exempt if compressed to a minimum of 22 pounds per cubic foot.

Samples of cotton linters of the usual trade size are exempt. Samples may be assembled in a single package for shipment.

7. Cotton waste produced at cotton gins, cottonseed oil mills, and cotton textile mills.

Lint cleaner waste is exempt if compressed to a minimum of 22 pounds per cubic foot.

8. Cotton gin trash.
9. Used bagging and other used wrappers for cotton.
10. Used cotton harvesting equipment and used cotton ginning and cotton oil mill equipment.
11. Okra and kenaf, including all parts of such plants except canned or frozen okra.

Edible okra is exempt if produced during the period December 1 to May 15 inclusive, except that okra consigned to California is exempt only if produced during the period of January 1 to March 15 inclusive.

12. Any other products, articles, or means of conveyance of any character whatsoever, not covered by the above, when it is determined by an inspector that they present a hazard of spread of the pink bollworm and the person in possession thereof has been so notified.

HAWAII INSECT REPORT

Corn - CORN PLANTHOPPER (Peregrinus maidis) heavy in 200 acres of mature field corn at Kilauea, Kauai; nymphs and adults of Tytthus mundulus (cane leafhopper egg sucker) heavy but not adversely affecting planthopper population. (Sugawa).

General Vegetables - Larval mines of LEAFMINER FLIES (Liriomyza spp.) heavy in .5 acre of eggplant seedlings at Waianae, Oahu; half of leaves (mostly older) with 80+ percent of leaf area mined. TOBACCO FLEA BEETLE (Epitrix hirtipennis) damage moderate; adults light. Leafminer mines generally moderate in several plantings of club gourd (Lagenaria vulgaris) at this same area; heavy on older leaves despite weekly controls. Adults heavy in a 1,000 square feet of mustard cabbage (Brassica juncea) adjacent to a .75-acre planting of club gourd. (Kawamura).

Fruits and Nuts - Small colonies of COCONUT SCALE (Aspidiotus destructor) on less than 1 percent of pinnae of about 200 coconut trees at Kahe Point, Oahu. (Kawamura). Moderate numbers of BLACK THREAD SCALE (Ischnaspis longirostris) and an ERIOPHYID MITE (Eriophyes litchii) on backyard Litchi chinensis trees at Lahaina, Maui. (Miyahira).

General Pests - FULLER ROSE WEEVIL (Pantomorus cervinus) damage heavy in yard plantings of Citrus sp. and Cordyline terminalis at Makawao and lower Kula, Maui. (Miyahira).

Miscellaneous Pests - GIANT AFRICAN SNAIL (Achatina fulica) activity light at Poipu, Kauai, during September; about 90 snails collected and destroyed. Nil at Wahiawa. (Sugawa).

DETECTION

New State Record - A CONIFER APHID (Cinara canadensis) - VIRGINIA - Montgomery County. (p. 712).

New County Records - EUROPEAN CORN BORER (Ostrinia nubilalis) - KANSAS - Greeley, Lane, Ness (p. 709). HEMLOCK LOOPER (Lambdina fiscellaria) WEST VIRGINIA - Upshur (p. 712). SOUTHWESTERN CORN BORER (Diatraea grandiosella) KENTUCKY - Hardin (p. 710).

CORRECTIONS

CEIR 22(40):685 - GRASSHOPPERS - Line 4: "... Trachyrachys kiowa." should read "... Trachyrhachys kiowa."

CEIR 22(41):699 - FOREST AND SHADE TREES: "... Liothirps urichi ..." should read "... Liothrips urichi ..."

LIGHT TRAP COLLECTIONS

FLORIDA - Gainesville, 10/13, BL - Armyworm (Pseudaletia unipuncta) 45, beet armyworm (Spodoptera exigua) 132, black cutworm (Agrotis ipsilon) 13, corn earworm (Heliothis zea) 9, fall armyworm (S. frugiperda) 40, granulate cutworm (Feltia subterranea) 5, tobacco budworm (H. virescens) 1, variegated cutworm (Peridroma saucia) 5.

KANSAS - Garden City, 9/25, 27, 10/2, 4, 9, 11, BL - Army cutworm (Euxoa auxiliaris) 932, armyworm 76, black cutworm 38, corn earworm 305, variegated cutworm 15, wheat head armyworm (Faronta diffusa) 20, yellowstriped armyworm (S. ornithogalli) 3. Great Bend, 9/27-10/10, BL - Army cutworm 248, armyworm 51, black cutworm 52, corn earworm 144, variegated cutworm 82, wheat head armyworm 4, yellowstriped armyworm 2.

MISSISSIPPI - Stoneville, 10/6-12, 2BL, 50-87 degrees F., no precip. - Armyworm 53, beet armyworm 1,914, black cutworm 17, cabbage looper (Trichoplusia ni) 9, corn earworm 212, fall armyworm 152, granulate cutworm 118, tobacco budworm 53, variegated cutworm 1.

NEW HAMPSHIRE - Lee, 10/9, BL - Black cutworm 1.

PENNSYLVANIA - (District) - Central, 10/4-11, BL - Army cutworm 1, armyworm 10, black cutworm 1, corn earworm 1, variegated cutworm 3, yellowstriped armyworm 1. Northeast, 10/4-11, BL - Armyworm 1, black cutworm 2, variegated cutworm 3. Southeast, 10/4-11, BL - Armyworm 9, black cutworm 3, fall armyworm 2, variegated cutworm 6, yellowstriped armyworm 2.

TEXAS - Waco, 10/12, BL - Armyworm 350, beet armyworm 213, black cutworm 11, cabbage looper 48, corn earworm 49, fall armyworm 92, granulate cutworm 71, tobacco budworm 189, variegated cutworm 102, yellowstriped armyworm 15.

VIRGINIA - Charlotte Court House, 9/26-10/6, BL - Armyworm 121, black cutworm 36, tobacco hornworm (Manduca sexta) 2, tomato hornworm (M. quinquemaculata) 1. Holland, 9/26-10/10, BL - Armyworm 70, black cutworm 16, tomato hornworm 3. Warsaw, 9/27-10/9, BL - Armyworm 115, black cutworm 22, tomato hornworm 4.

WEATHER OF THE WEEK ENDING OCTOBER 16

Reprinted from Weekly Weather and Crop Bulletin supplied by Environmental Data Service, NOAA.

PRECIPITATION: Weak thunderstorms spattered the central Great Plains early in the week. A storm centered over the Pacific Ocean, west of California, provided light rain along the coast with snow in nearby mountains. Another storm centered over the extreme southern Saskatchewan caused cold, snowy weather in Montana. By noon Tuesday, about 2 inches of snow covered the Great Falls area and strong northerly winds spread snow into the northern Rocky Mountains. Vigorous thunderstorms shaped up in Iowa and spread to northern Illinois. Hail from 1 to 2 inches in diameter fell in northeastern Iowa. As air masses of differing temperature and moisture characteristics battled along a long front that stretched across the central Great Plains, showers and thunderstorms popped up along the front and snow flurries occurred in the cold air north of the front. Isolated precipitation continued in northern California midweek. Rain in the east spread, covering most of the area from Illinois to the northern and middle Atlantic States. The weekend brought light scattered rains over the central Great Plains, the Deep South and the Northeast, light rain or snow in the Northwest and central Rocky Mountains, and light to heavy rain in northern and central California. Heavy rains in California caused damaging mud slides in some hilly areas.

TEMPERATURE: A large Canadian High cooled the Northeast early in the week. Maximum temperatures Monday afternoon ranged from the 40's from the Great Lakes to Maine to the 60's from the Dakotas to Virginia. Mild temperatures and mostly sunny skies continued over the South. In the West Monday afternoon, temperatures ranged from the 70's in eastern Montana to the 90's in western Texas. Tuesday morning brought subfreezing temperatures as far south as West Virginia where Beckley registered 30 degrees. Gusty winds Monday night brought subfreezing temperatures to eastern Montana by Tuesday morning and held the afternoon temperatures in the 40's over much of that area Tuesday afternoon. The maximum temperature at Great Falls Monday was 73 and Tuesday 26 degrees. Corresponding readings at Havre were 80 and 40 degrees. The northern Great Plains remained cool Wednesday but extreme western Texas warmed to the 90's, 98 degrees at Presidio. Considerable warming occurred over the northern Great Plains Thursday. The Deep South continued sunny and mild. Subfreezing temperatures occurred in parts of the northern Great Plains and eastward to New England on Saturday and Sunday morning.

GYPSY MOTH
(Porthetria dispar (L.))

Additional Selected References
1967-1969

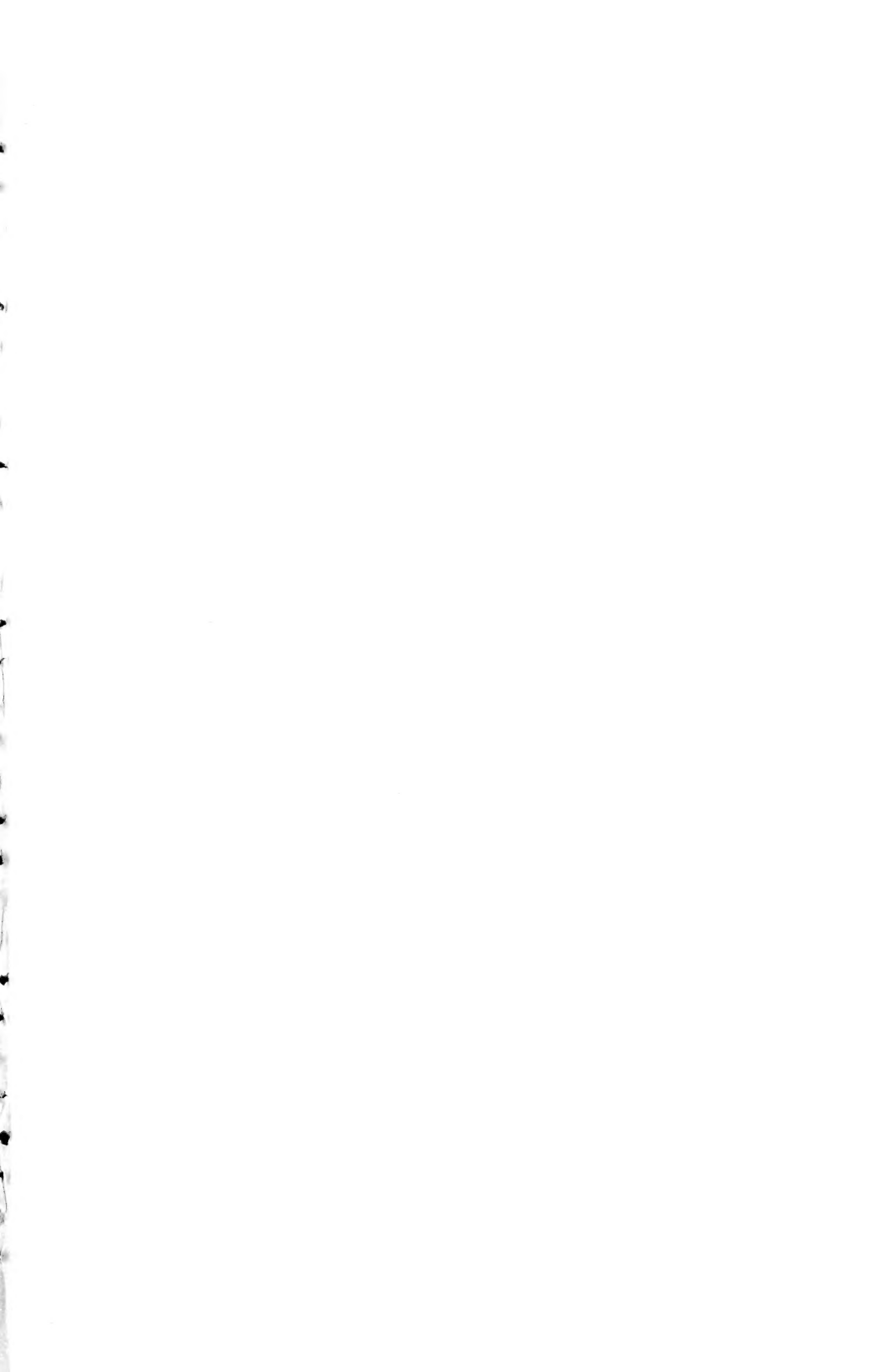
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