

Tomato hornworms make appearance

By Kay Melia
vkmelia@yahoo.com



kay melia
• the gardener

Let's see now.....so far this gardening year, I've had visits of excessive heat, strong winds, light hail, three cloudbursts, heavy frost, grasshoppers, amaranth-type pig weeds, puncture vines, hen-bit, zucchini, leafy spurge, deer and aphids. And now comes those delightful little dudes known as tomato hornworms.

Sounds like a pretty normal summer, doesn't it? I would bet that every gardener reading this, and some who aren't, have experienced many of the same calamities. That's just the way it is when you choose to commune with nature by dropping

seeds and plants in the ground with the intention of harvesting lots of good stuff.

Most of us old-timers understand that many of those things will actually happen during the course of a normal gardening season, but we are quick to remind newcomers and non-gardeners that there are a lot more victories than there are losses. When we dig that first

potato or pull that first onion; when we pick those first green beans or cut those first spinach leaves; or when we sample that first head of cabbage and harvest that first ripe tomato.... only then does our heart beat with joy and our taste buds go nuts! Just getting to that point makes it all worthwhile.

But tomato hornworms!! Is there anything in the garden as ugly? Squash bugs, perhaps. But hornworms will desecrate a tomato vine quicker than you can say New York Yankees. And many times they can be difficult to locate because they

are the exact same color as what they eat, which happens to be just about every leaf on the vine. When you see a tomato plant branch that has had it's leaves eaten off, just follow the trail. You'll always find that big fat sucker. I dispose of them by carefully plucking them from the vine. (Very carefully or you'll squish yourself with a bit of green slime, which actually won't hurt you). I then dig a small hole in the ground, deposit that bad boy, and cover with several inches of your best garden soil. I then proceed to tromp on the soil a few times. You'll never see him again, but there may be better methods of disposal.

Tomato hornworms are native to

the U.S., and are common throughout the northern states. They feed only on solanaceous plants, members of the nightshade family, which includes potatoes, egg plant, peppers and of course tomatoes. The adult stage of the varmint is the "sphinx" or "hummingbird" moth, a large heavy-bodied moth with a four or five inch wingspan that lays eggs on the underside of leaves. The resulting green caterpillar gets it's name from a black projection, or horn, on the last abdominal section of it's body.

I suppose there are sprays or dusts that will rid your plants of these little beauties, but there are never very many around at a time. But

you absolutely must check your plants daily to determine if they are there and believe me when I say you'll spot the damage very quickly because an entire branch will likely be devoid of leaves. Just follow the trail to locate the beast, and then do whatever you think is the best way to dispose of him.

Then, go out again tomorrow, and the next day and everyday until the first frost to see if there are others hanging around. If you find others, consider wearing gloves and a long sleeve shirt when you pluck them from the vine!

sunflower 4-h

The Sunflower 4-H Club met on Monday, June 20, at Edwards Hall.

Acting President Ashley Anderson called the meeting to order at 7 p.m. Roll call of "Favorite Summer Activity," was answered by 12

members, seven parents, one guest and Leader, Cris Wilson. Mary Kate Gerber led the club in singing "If Your Happy and You Know It." Secretary, Kinsey Volk presented the minutes of the meeting. The Treasurer's report was presented by

Christopher Berls. Reporter Ryan Volk stated the minutes of the meeting were published in The Goodland Star News.

Leader Cris Wilson reported fair book topic is Bushels Bales and Tails.

There is open class for non-enrolled 4-H members. 4-H fair entries are due by 5 p.m. Friday, July 8.

The club approved donating \$30 to the fair for a plaque. Ashley Anderson did a project talk on a Missouri Fox Trotter and Kinsey Volk

read a poem called "A Friend" by Rachel Scott. Christopher Berls led us in a game of New World.

The next meeting will be Monday, July 18, Edwards Hall. The meeting was adjourned and the club enjoyed pizza from Gambinos

for winning the Take Charge Challenge from the City and drinks were served by the Andersons.

Ryan Volk, Reporter

Bermuda grass can be controlled

Bermuda grass is an invasive, warm-season grass. Warm-season grasses like the common bermuda grass we see around here green up later than cool-season grasses such as tall fescue and Kentucky bluegrass. They also go dormant earlier in the fall, which when mixed into a cool season lawn can make the lawn unattractive. Bermuda that invades a cool-season lawn will be brown during much of the spring and fall while the rest of the lawn is green. It is much more drought and heat resistant than cool-season grasses. So, it will take over a cool-season lawn during the summer months if it is in full sun.

How do you control bermuda grass that has invaded a cool-season lawn? Research conducted in 1996 showed that glyphosate (Round-up, Kleen-up, Killzall, Kleeraway) is the best herbicide for the job. Glyphosate is a nonselective herbicide and will kill everything, including tall fescue or Kentucky bluegrass. You will need to reseed treated areas. In the K-State study, they ap-

dana belshe
• ag notebook

plied a 2% solution of glyphosate on July 15 and again on August 15 on a bermuda grass plot that was more than 15 years old. Over one year later, they saw no regrowth.

Glyphosate works best if bermuda is growing well. The better the bermuda grass is growing, the more chemical is taken up and pushed into the roots. Water and fertilize if needed to get it going.

Spray about the middle of this month (or when the bermuda is growing well) and again about a month later if there is any green left in the bermuda grass. Use glyphosate (2% solution). Wait two more weeks and reseed. It may also be helpful to scalp (mow as low as possible and remove clippings) the lawn two weeks after the first application so that dead grass does not prevent the glyphosate from reaching the recovering bermuda.

Worship warms the heart

Calvary Gospel Church
Pastor: Randy and Mary Payne
Fourth & College • 890-3605
Sunday: Kid's Church: 10 am
Morning Service: 10 am
Prayer and Praise: 5:00 p.m. except last Sunday of the month
Wednesday: Royal Rangers, Missionettes 6:30 p.m. during school year
Youth @ the Rock House, Sixth & Caldwell: 6:30 p.m.
Life Groups - Call for information
Join us on Facebook
www.calvarygospel.net

Our Lady of Perpetual Help
Pastor: Father Norbert Diabal
307 W. 13th • 890-7205
Sacrament of Reconciliation: 5-5:45 p.m. Saturday or by appointment
Mass Schedule:
Saturday: 6 pm, Sunday: 10:30 am
Spanish Mass: Sunday: 12:30 pm



Goodland United Methodist Church
1116 Sherman 899-3631
Pastors: Dustin and Shelly Petz
Saturday: Worship: 5:30 p.m.
Sunday: Adult Classes: 9:15 a.m.
Worship: 10:30 a.m.
Wednesday: Wednesday Nite Live 5:45 - 6:45 p.m. Simple Supper "Free will Offering" 6:30 - 7:30 p.m. Classes for all ages

Pleasant Home Church
Serving the rural community for over 120 years
Rt. 1, Box 180 • 3190 Road 70 (785) 694-2807
Pastor: Perry Baird
Sunday: Worship Service: 9 a.m. Sunday School: 10 a.m.

Promiseland Baptist Church
Pastor: Rick Holmes • 890-7082
225 W. 16th (785) 890-7944
Sunday: Sunday School: 10:30 a.m. Morning Service: 11:30 a.m. Evening Service: 6:30 p.m.
Wednesday: Bible Study Service 6:30 p.m.
Thursdays: Adult Bible Study 7-8 p.m.

Bible Baptist Church
Pastor: Clifford Middlebrooks
Fifth & Broadway 890-7368
Sunday: Sunday School: 9 a.m. Morning Service: 10 a.m. Evening Service: 6:30 p.m.
Wednesday: Evening Bible Study: 7 p.m.

Church of Jesus Christ of Latter-Day Saints
1200 15th Street • Burlington, CO (719) 346-7984
Sacrament Meeting: 10 a.m.
Sunday School: 11:15 a.m.
Priesthood/Relief Society: 12 a.m.

Iglesia Del Dios Vivo
La Luz Del Mundo
Spanish Speaking Church
Minister: Esteban Ortiz B.
1601 Texas • 899-5275
Daily Prayer: Sunday thru Saturday: 5a.m. & 6 p.m.
Sunday: Sunday School: 10 a.m.

United Methodist Church Brewster:
Pastor: Dorine Chambers
Worship Service: 10:45 a.m. CST
Sunday School: 9:45 a.m. CST
Winona:
Minister: Sheryl Johnson
Worship Service: 9 a.m. CST
Sunday School: 10:15 am CST

First Christian Church (Disciples of Christ)
Pastor: Rev. Carol Edling Jolly
Eighth & Arcade • 890-5233
Sunday: Church School - All ages 9:15 a.m. Worship 10:30 a.m.
Youth Group: 1st and 3rd Sundays 5-7 p.m.
Wednesday: Prayer Class - Noon
Pastor Carol's Class 5:45 p.m.
www.goodlandfccdoc.org

Kanorado United Methodist Church
Pastor: Leonard Cox
399-2468
Sunday: Sunday School: 9 a.m. Worship Service: 10:15 a.m.

Church of the Nazarene
Pastor: Bob Willis
Third & Caldwell 899-2080 or 899-3797
Sunday: Sunday School: 9:45 a.m. Worship Service: 10:50 a.m. Evening Service: 6 p.m.
Wednesday: Evening Service: 7 p.m.

Word of Life
10th & Clark 1-888-781-3450
Pastor: (to be announced)
Services: (to be announced)
A Foursquare Gospel Church

Goodland Bible Church
109 Willow Road • 899-6400
Pastor: Chad DeJong
Sunday: Sunday School: 9:30 a.m. Morning Worship: 10:45 a.m. Evening Worship: 6 p.m.
Wednesday: AWANA (Winter) and prayer: 7 p.m.

First Baptist Church
Pastor: Travis Blake
1121 Main 890-3450
Sunday: Coffee fellowship: 9:30 a.m. Morning Worship: 10 a.m. Sunday School: 11:15 a.m.
Thursday: Bible study 9:30 a.m. Wheatridge Center

St. Paul's Episcopal Church
13th & Center Church 890-2115 or 890-7245
Services: 5 p.m. Saturday evening

Harvest Evangelical Free Church
521 E. Hwy. 24 • 890-6423
Pastor: Brian Fugleberg
Sunday: Worship: 9:30 a.m. Sunday school: none in summer
Wednesday: Senior High 6:30 p.m. at church Junior High none in the summer
www.goodlandefree.com

Seventh Day Adventist Church
1160 Cattletrail
Pastor: Jerry Nowack
Saturday: Sabbath School: 9:30 a.m. Worship Service: 11 a.m.

Emmanuel Lutheran Church
13th & Sherman • 890-6161
Pastor: Darian Hybl
Sunday: Christian education/fellowship: 10:15 a.m. Worship Service: 9 a.m.

Church of Christ
401 Caldwell 890-6185
Sunday: Bible Study: 9:45 a.m. Worship Service: 10:45 a.m.
Wednesday: Bible Study: 7 p.m.

The following sponsors urge YOU to attend your chosen House of Worship this Sabbath:

Short & Son Trucking
Hwy. 24

Koons Funeral Chapel
North Main

Good Samaritan Center
208 W. 2nd

Kansasland Tire
1402 Main St.

KLOEIKKCKIKWGB
3023 W. 31

AFLAC Insurance
111 W. 12th

Get your news in the paper. Call 899-2338

* SOFFIT * DOOR AND WINDOW REPLACEMENTS * REMODELS * NEW CONSTRUCTION * SIDING * SEAMLESS RAIN GUTTERS * FASCIA *

From concrete to roofing and everything in between.

Ron Lucke

CUSTOM BUILDING

Burlington, Co. (719) 346-8840
CELL PHONE (719) 349-8840

NEW CONSTRUCTION

LAND FOR SALE

Private Land Auction: 160± acres Rush County, KS CRP located SE of Nekoma. Bidding will end July 22. Please call to register.
Kit Carson County-NEW: 1520± acres dry land. Seibert area. 1,900,000
NEW-north of Seibert. 480± acres dry land. \$600,000
South of Ruleton-40 acres. home, shop & other buildings. Reduced \$99,000
Lincoln County, CO - 3729± acres grass. 25 miles south of Punkin Center. Improvements: home & small shop. Good water, good fencing. \$1,062,765
Burlington, CO-6 Lots 17th & Rose \$145,000 4 Lots 17th & Rose \$60,000

Dale Stull, Broker
Cell 719-349-5710
Toll Free 866-346-5710

The Land Office LLC
www.thelandoffice.com

Patrick from France, 17 yrs. Loves the outdoors and playing soccer. Patrick's dream has been to spend time in America learning about our customs and attending American high school.

HOST AN EXCHANGE STUDENT TODAY!

(for 3, 5 or 10 months)

Marcy at 1-800-888-9040 (Toll Free) or e-mail us at info@world-heritage.org

Make this year the most exciting, enriching year ever for you and your family. Share your world with a young foreign visitor from abroad. Welcome a high school student, 15-18 years old, from Italy, France, Norway, Denmark, Spain, Germany, Brazil, Thailand or China as part of your family for a school year (or less) and make an overseas friend for life.

For more information or to select your own exchange student please call:

Ginny at (785) 332-3414

or

Marcy at 1-800-888-9040 (Toll Free) or e-mail us at info@world-heritage.org

www.whhosts.com

World Heritage is a public benefit, non-profit organization based in Laguna Beach, CA.

