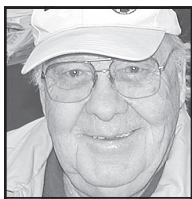


Rototillers not as good for the soil as a shovel

When I was a kid, which was so many years ago I can hardly remember the date, I would pick up a little spending money by spading up some of the city folks' garden plots each spring.

From the time I was eight until about 13, I would make a few cents each evening after school, providing there wasn't any school sports or music scheduled.

I doubt that there are very many kids who have ever plowed a garden with a spading fork, a long handled shovel or a sharp-shooter. But in those years of the the Great Depression and the early years of World War II, everybody, and I mean everybody had a vegetable gar-



kay melia

• the gardener

den. They were known as Victory Gardens in those days and families sometimes struggled to raise a little food for their dinner table.

There was no such thing as a rototiller. If you had a large plot of ground nearby, you might have hired someone with a tractor and moldboard plow to come in and do the job. But generally, the annual plowing of the family garden plot

was done by hand with a shovel of some kind.

If you happened to have a little fishing trip planned for the weekend down at the river, you watched carefully for fish worms as you turned the soil. And you also kept an eye peeled for a large grasshopper lurking nearby. Bait was not a problem in those days.

It's difficult for me to imagine plowing a garden plot by hand these days, especially by me, or by a youngster interested in making a few bucks to apply on that next of big name sneakers. But you know what?

Some of today's noted soil specialists will tell you that the long handled shovel is a much more desirable tool to use to plow your garden, than a big modern rototiller. Think about it. The rotating tines of a rototiller move at a high speed, stirring up the top four or five inches of soil very efficiently. But those tines, at their high speed, beat down on the soil underneath, causing considerable compaction.

But when you dig down deeply with a shovel, you turn the soil over without compacting the soil at all. Right? So which method is best for the year to year good health of your garden plot?

Or, you could do the job like Ruth

Stout used to do. Who? Ruth Stout was 71 years old when in 1955, she wrote her first gardening book entitled "How to Have a Green Thumb Without an Aching Back." Ruth, a native of Girard, always had a huge garden, but one spring day the guy who was supposed to come plow her garden didn't show up.

No substitute could be found, so Ruth decided not to plow at all! After all, the rhubarb and the asparagus seemed to thrive without plowing, so why not the other vegetables.

So here's what Ruth Stout did. Every October, she would cover her garden plot very deeply with old hay, straw, leaves and old garden residue. In the spring, her garden

soil was always soft and moist, so she merely pulled aside the mulch to form rows.

Then she would plant her seeds or set her plants in those empty rows, leaving the mulch piled between the rows. Her garden thrived! She never plowed the plot again and she never had to hoe or cultivate during the summer months.

Ruth became a garden icon and is credited with many labor saving practices, the greatest of which was the power of mulch. She died in August 1980 at the age of 96. She proved that you really didn't need a rototiller, or even a long-handled shovel.

Cedar-apple rust becoming active, coming

Cedar-Apple Rust is becoming active in southern Kansas. It won't be long before we too will start seeing those large, bright orange, jelly-like, tendrils covered balls on the cedar trees. They show up every year. In fact, they are out there now on the cedar trees. They become active in the spring after the apple trees start their spring growth and the spring rains begin. These Cedar-Apple Rust galls release millions of spores that can infect apples and crab apples with the rust disease. There is a related disease named Cedar-Quince Rust that infects hawthorn trees.

Unprotected, susceptible apples, crab apples and hawthorns in the southern parts of the state are likely infected now. If you have had problems with Cedar-Apple Rust in the past, you should be thinking about protecting your apples very soon. Many of the newer crab apples are naturally resistant. Though they may show signs of the disease, they won't defoliate like susceptible varieties. Even susceptible varieties that defoliate will throw out a new set of leaves if they were healthy before the infection. Significant damage to crab apples is rare. Fruiting apples pour a great deal



dana belshe

• ag notebook

of energy into the fruit and may be stressed more severely if an infection occurs.

It is important to pamper your trees this summer by keeping them watered. If you have had it in the past you might want to consider treating the trees. Treating is recommended to prevent infections. Apply fungicides from green-up through Memorial Day. Several fungicides, including Banner, Systhane, Rubigan, Funginex and Bayleton, applied on a 14- to 21- day interval are very effective in controlling rust. However, most of these products are only available to commercial applicators. Homeowners may use triadimefon (Green Light Fung Away), propiconazole (Fertillome Liquid Systemic Fungicide) or myclobutanil sold as Immunox (same active ingredient as Systhane). Chlorothalonil is also labeled for rust, but it is not as effective as the other products listed and cannot be

matters of record

District Traffic
The following fines have been paid in the Sherman County District Court.
January 17: Jasmyrn K. Hill, speeding, \$170.
Andrew L. Sweet, speeding, \$164.
Steven W. Wood, speeding, \$140.

January 18: Sephra I. Dyall, speeding, \$146.
January 20: Robert J. Dejean, no seat belt, \$30.
January 21: Arlene Aguirre, no valid license, \$146.
January 22: Jimmy R. Ketcherside, speeding, \$140.
Daniel M. Lane, speeding, \$194.

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3 1/2 mi. E & 1/2 mi. N of McDonald - Inter. of Rds. 7 & Q
Tract 2 - 165± ac. - NE/4 Sec. 26, 3-36 (124± ac. cropland; 41± ac. grassland)
2 mi. E & 1 mi. S of McDonald - S at wind turbine
Tract 3 - 320± ac. - N/2 Sec. 11, 1-33 (209± ac. crop; 111± ac. grass & creek bottom)
From Atwood: 11 mi. N on Hwy 25, 2 mi. E on Rd. CC, 1 mi. N on Rd. 22 & 1 mi. E on Rd. DD - Inter. of DD & 23

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Prayer and Praise: 6:00 p.m.
Wednesday: Royal Rangers Missionettes 6:30 p.m.
Adult mid-week service: 7:00 p.m.
Youth @ the Rock House: 6:30 p.m.
Small Group Ministries meets through out the week.
www.calvarygospel.net

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307 W. 13th • 890-7205
Sacrament of Reconciliation:
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Spanish Mass:
Sunday: 12:30 pm

Word of Life

10th & Clark • 899-5250
Pastor: John Coumerilh
Sunday: 9:30 a.m. - Morning Star Cafe Opens
10 a.m. - Worship Celebration
and Kids' Church
Life Groups - call for times and locations
www.wordoflifegoodland.org
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890-3375
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Sunday School: 10 a.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: Worship Service: 10:30 a.m.
Sunday School: 9:15 a.m.
Activities: Junior High & High School Youth Groups, Adult Bible Study, Choir, Men's and Women's Groups, Devotions Study, Monthly Fellowship
Special Notice: Handicap Accessible, Hearing Assistance Equipment and Infant and Toddler Nurseries Available

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.

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

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 Rectory 890-6969
Priest: Father Hal Lycett
Holy Eucharist: 10:00 a.m. Sunday
10:00 a.m. Thursday
Daily Morning Prayer
For emergencies 890-6969

Harvest Evangelical Free Church

521 E. Hwy. 24 • 890-6423
Pastor: Brian Fugleberg
Sunday: Worship: 10:30 a.m.
Sunday School: 9:30 a.m.
Wednesday: Junior high 6:30 p.m.
at the old church building
Senior high 6:30 p.m. at church
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
Sunday: Christian eduction/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.

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