

The background is a light gray gradient. It features several realistic water droplets of various sizes scattered across the frame. In the upper center, there is a faint, circular, textured pattern that resembles a ripple or a seal. The overall aesthetic is clean and modern.

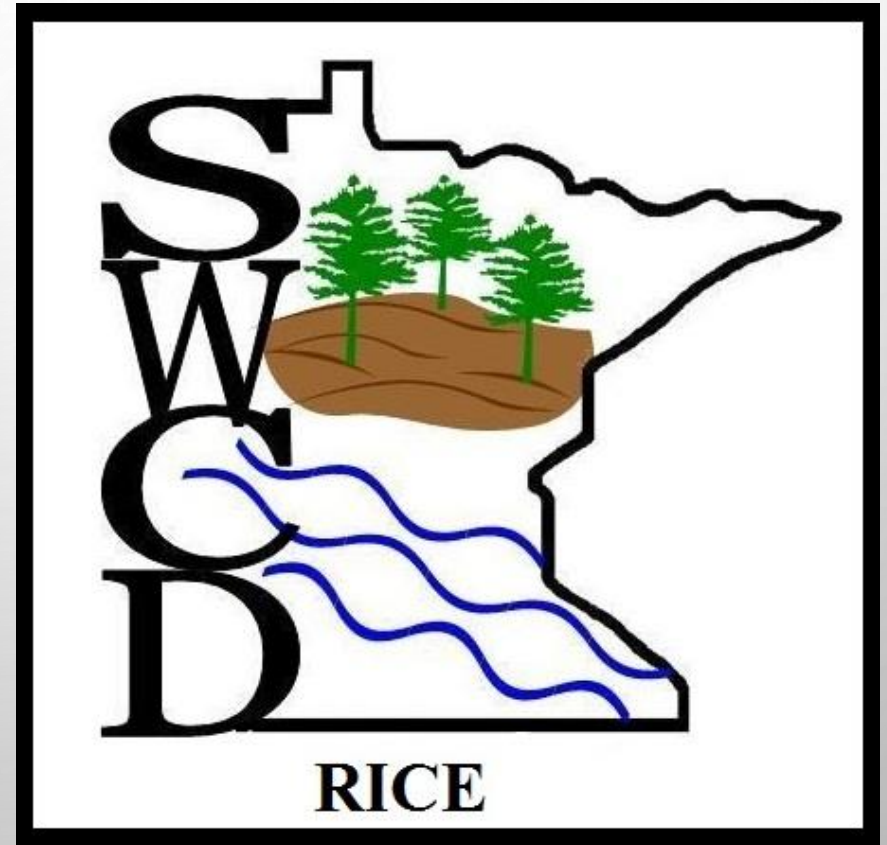
PARK THE PLOW

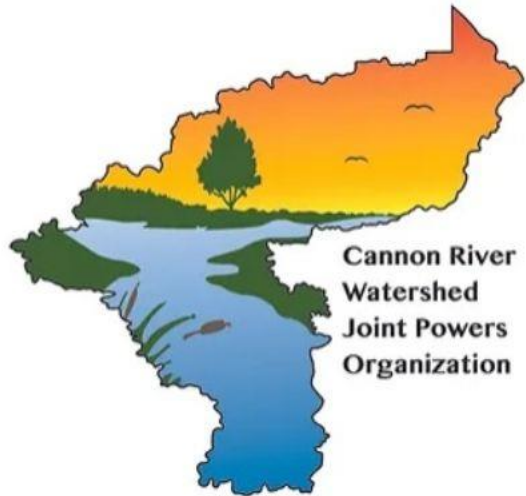
BENEFITS OF A NO-TILL NOVEMBER

WHO WE ARE

- RICE SOIL AND WATER CONSERVATION DISTRICT
 - LOCALLY LED, SUBDIVISION OF STATE GOVERNMENT
- CANNON RIVER WATERSHED JOINT POWERS BOARD
 - ENTITY COVERING THE WATERSHED AND MADE UP OF SWCD SUPERVISORS AND COUNTY COMMISSIONERS FROM RICE, STEELE, DAKOTA, GOODHUE, LE SUEUR, AND WASECA COUNTIES
- USDA NATURAL RESOURCES CONSERVATION SERVICE
 - FEDERAL PARTNER ASSISTING LOCAL CONSERVATION EFFORTS

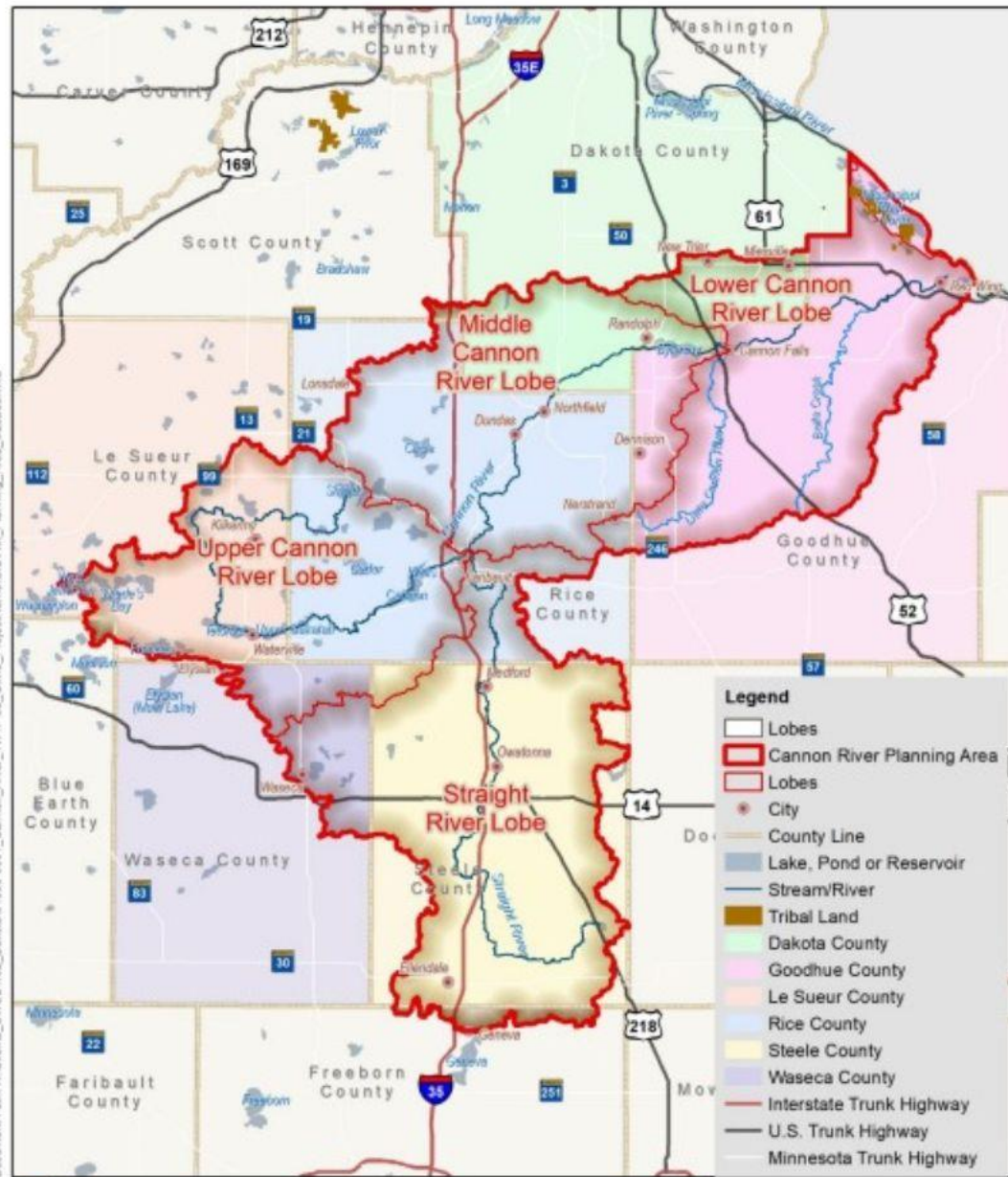
From Ridge to River: Cleaning Up our Watershed





**Cannon River
Watershed
Joint Powers
Organization**

Date: 5/14/2019 Time: 2:41:17 PM Author: egsent
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**Cannon River Comprehensive
Watershed Management Plan**



WHY NOT PLOW?

- EROSION CONTROL
- IMPROVED WATER INFILTRATION
- LESS EXPENSES: FUEL, EQUIPMENT, TIME
- STUDIES HAVE CONSISTENTLY SHOWN NO YIELD ADVANTAGE ON TILLED SOYBEANS VS. NO-TILL SOYBEANS
- PLANTING CORN NEXT YEAR? IF YOU MUST TILL, WAIT UNTIL SPRING, AS THERE IS NO ADVANTAGE TO TILLING SOYBEAN STUBBLE

Common Soil Erosion in Rice County

Wind Erosion
Crops

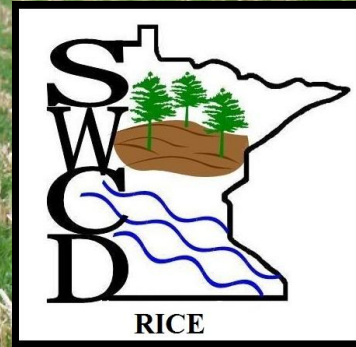
Fix: Conservation Tillage and Cover



Tillage (Plowing)



Conservation Tillage (Limited or no plowing)



Common Soil Erosion in Rice County

Sheet Erosion

Fix: Conservation Tillage and Cover



Tillage (Plowing)



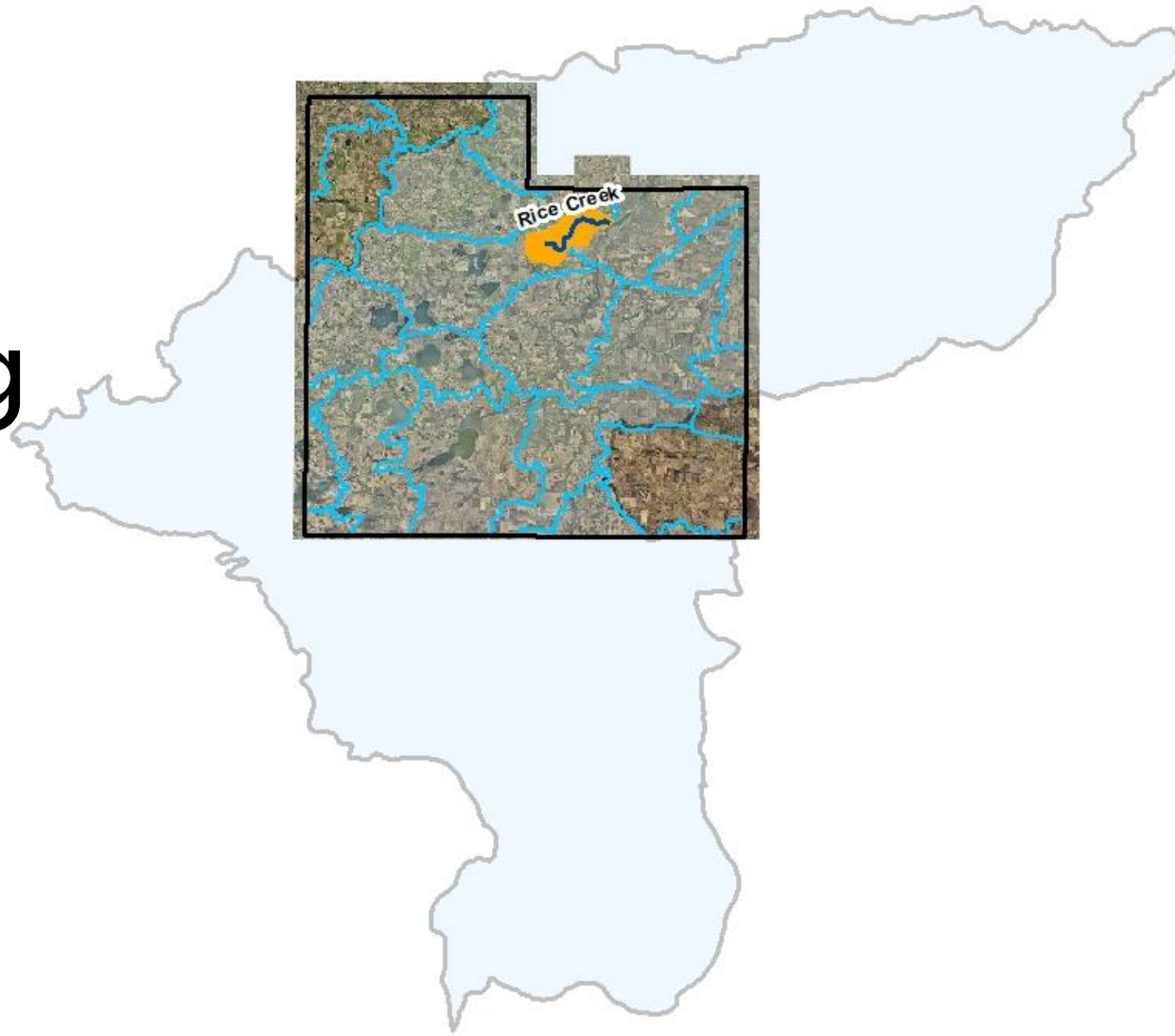
Conservation Tillage (Limited or no plowing)





- CLASSIC GULLY EROSION IN RICE COUNTY

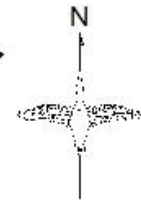
Farmers Protecting Rice Creek Project



0 2.5 5 10 15 20 Miles

Legend

- Rice Creek
- Rice County
- Rice Creek Watershed
- Rice HUC12 Watersheds
- Cannon_River Watershed



Farmers Protecting Rice Creek

Water Sampling Stations

- 15 Drainage Tiles
 - 9 With Cover Crops
 - 6 Without Cover Crops
 - Nitrate Testing
- 2 Stream Locations
 - N, P, TSS

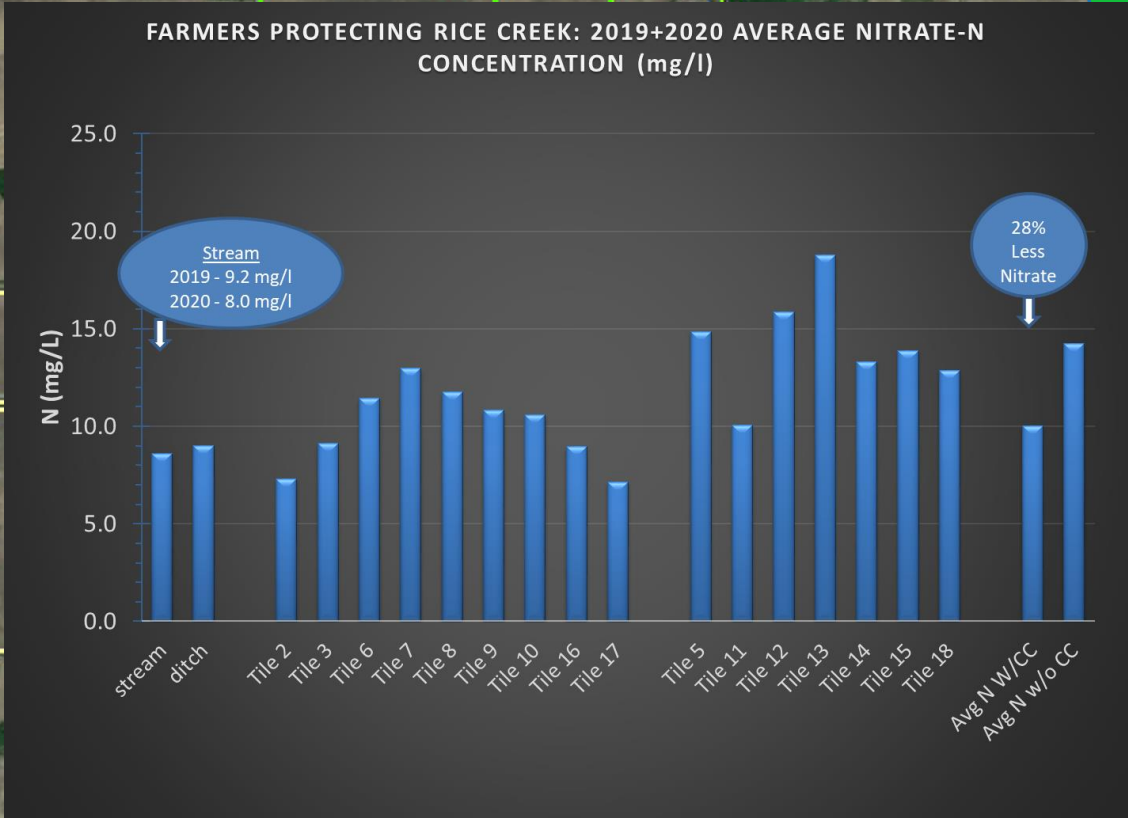
Stations sampled every 2 weeks April – November 2018, 2019 & 2020



	Cover Crop Acres	# of Farmers
2018	870	9
2019	940	10
2020	1040	12



Slide by:



2020 Participating Farmers

- Gary Reuvers
- John Becker
- Tim Little
- Peter Little
- Phillip Little
- Charlie Albers
- John Thomas
- Don Malecha
- Chris Beider
- Mark Legvold
- Brian Peterson
- Jeff Johnson



2023 Iowa Farm Custom Rate Survey

Many Iowa farmers hire some custom machine work in their farm business or perform custom work for others. Others rent machinery or perform other services. The Iowa Farm Custom Rate Survey was mailed to 316 people by the US Postal Service and 237 people via email in mid-February 2023. The information below is based on 94 responses and 2,621 custom rates provided by Iowa farmers, custom operators, and farm managers. Twenty percent of the respondents perform custom work, 14% hire work done, 59% indicated doing both, 6% indicated doing neither, and 1% did not indicate whether they perform or hire custom work.

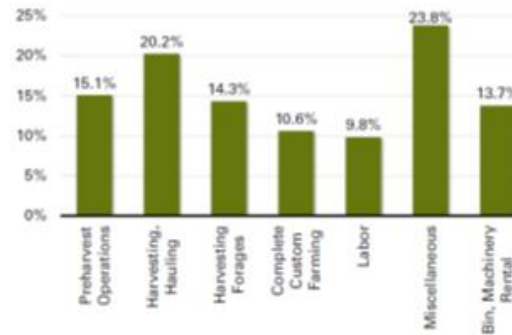
For each type of work, the average rate from the survey, the median, and the range are shown. The average is calculated as the simple average of all responses. The median is the middle number among the ordered responses (from smallest to largest). The reported range excludes the minimum and the maximum values to avoid reporting extreme values.

The reported rates are expected to be charged or paid in 2023, and they include fuel and labor (unless otherwise noted). The average price for diesel fuel (highway-retail including taxes) was assumed to be \$3.39 per gallon (as projected by the US Energy Information Administration in early February 2023). Rental rates for some machinery items are shown in the last section of this report, along with a worksheet for estimating rental rates for other items.

This rate schedule is intended only as a guide. Actual custom rates may vary according to availability of machinery in a given area, timeliness, operator skill, field size and shape, crop conditions, and the performance characteristics of the machine being used.

Note: All rates include fuel, repairs, depreciation, interest, labor, and all other machinery costs for the tractor and implement, unless otherwise noted.

Percentage change by category, 2022 to 2023



Tillage	Average Charge	Median Charge	Range	Number of Responses
Chopping cornstalks, / acre	\$14.80	\$13.50	\$10.00 - \$20.00	19
Moldboard plowing, / acre	19.80	19.75	15.00 - 25.00	10
Chisel plowing, / acre	19.75	19.00	10.00 - 25.00	19
Disk/chiseling, / acre	22.95	21.75	12.75 - 31.00	26
Vertical tillage, / acre	22.05	20.25	12.00 - 35.00	36
Strip tillage, / acre	24.35	23.55	15.00 - 35.00	14
Subsoiling (8 to 15 inches deep), / acre	25.30	25.00	15.00 - 35.00	18
V-ripping (over 15 inches deep), / acre	25.25	25.00	16.00 - 35.00	16
V-ripping with tandem disk, / acre	26.20	25.00	13.50 - 40.00	31
Disking, tandem, / acre	17.55	17.00	10.00 - 25.80	29
Disking, heavy or offset, / acre	21.75	20.00	18.75 - 26.00	13
Harrowing or dragging, / acre	11.25	11.50	7.00 - 15.00	11
Soil finishing, / acre	18.25	18.00	9.50 - 28.00	31
Field cultivating, / acre	17.75	17.00	7.50 - 30.00	45
Rock picking, / acre	19.25	18.50	17.00 - 25.00	8
Cultivating, conventional, / acre	14.05	14.00	13.00 - 16.25	9
Rotary hoeing, / acre	10.60	10.15	10.00 - 11.00	8
Land rolling, / acre	8.65	8.00	5.50 - 15.00	24

TILLAGE COSTS

- CHISEL PLOW \$19.75/ACRE
- FIELD CULTIVATOR \$17.75/ACRE

TOTAL \$37.50/ACRE

OR 2.7 BUSHELS SOYBEANS, 7.9 BUSHELS OF CORN

Factor in cost of equipment, time spent, etc.

UP NEXT: TIM LITTLE



PROGRAMS AVAILABLE

- FUNDING MAY VARY DEPENDING ON YOUR LOCATION
 - YOUR LOCAL SWCD CAN REVIEW ALL FUNDING OPPORTUNITIES WITH YOU AND HELP YOU CHOOSE WHAT WORKS FOR YOUR OPERATION
- 

FUNDING FOR REDUCED TILLAGE

- WORKING THROUGH THE RICE SWCD, THE CANNON RIVER WATERSHED JPB OFFERS THE FOLLOWING:
 - ROTATIONAL NO-TILL OR STRIP-TILL: \$8 TO \$18 PER ACRE PER YEAR DEPENDING ON LOCATION
 - CONTINUOUS NO-TILL: \$10 TO \$20 PER ACRE PER YEAR DEPENDING ON LOCATION
 - NOTE: THESE ARE 2022 RATES. WE EXPECT RATES TO INCREASE IN 2024. 3 YEAR CONTRACTS
- RICE SWCD ANTICIPATES THAT FUNDING FOR REDUCED TILLAGE WILL BE AVAILABLE FOR 2024, AND SHOULD HAVE DETAILS BY MARCH.
- USDA NRCS ENVIRONMENTAL QUALITY INCENTIVES PROGRAM (EQIP)
 - THE EQIP PROGRAM WILL PAY YOU \$16.84 TO \$36.11 PER ACRE FOR NO-TILL/STRIP-TILL. (MAY BE HIGHER FOR HISTORICALLY UNDERSERVED INDIVIDUALS) *2023 RATES

FUNDING FOR COVER CROPS

- RICE SWCD: RATES RANGE FROM \$30 TO \$45 PER ACRE, HOWEVER THEY MAY BE INCREASING FOR 2024.
- NRCS: EQIP RATES ARE \$32.87 TO \$41.10 PER ACRE. *2023 RATES
- MN SOIL HEALTH COALITION: \$10/ACRE ON TOP OF OTHER INCENTIVES
- USDA FSA: \$5/ACRE REDUCTION IN CROP INSURANCE RATES
- CARBON MARKETS: MAY BE ABLE TO GET ADDITIONAL FUNDS THROUGH ONE OF MANY CARBON PROGRAMS

OTHER PRACTICES

- STRUCTURAL PRACTICES: WATERWAYS, PONDS, SEDIMENT CONTROL BASINS, MANURE STORAGE
- LIVESTOCK FENCING, WATER SYSTEMS, ETC.
- MUCH MORE AVAILABLE THROUGH THE NRCS EQIP PROGRAM

The image features a light gray background with a subtle gradient. In the top-left and bottom-right corners, there are several realistic-looking water droplets of various sizes, rendered with soft shadows and highlights to give them a three-dimensional appearance. The text "THANK YOU FOR ATTENDING!" is centered in the upper half of the image.

THANK YOU FOR ATTENDING!