



MICHIGAN SUGAR YOUTH SUGARBEET PROJECT

Name _____

Signature _____

Age _____ Date of Birth _____

Score _____

Address _____

City _____ Zip Code _____

Phone _____ County _____

Email Address _____

Agriculturalist _____

Years in this Project/Program _____ This Year 20 _____

School _____

Michigan Sugar Youth Project

Designed specifically for youth in the sugarbeet producing areas of Michigan, the Youth Project seeks to promote education and interest in sugarbeets. The program is for all youth who wish to participate in a supervised sugarbeet project sponsored by Michigan Sugar Company.

Objectives of the project are: (1) to help Youth Project members learn and effectively apply recommended cultural and production practices used toward sugarbeet production; (2) to teach members why cooperation is necessary between growers and processors, and (3) to familiarize members with the sugarbeet industry. These objectives can be obtained by: (1) attending and participating in a Youth Sugarbeet Project orientation meeting prior to starting their project; (2) inviting their sugarbeet company agriculturalist and other industry personnel to attend their 4-H club or FFA chapter meetings or a Michigan Sugar Company Youth Program meeting and (3) participating in beet field tours to discuss production practices.

A. Project Requirements

1. Participation in an organized 4-H club or FFA chapter is optional. Youth may also participate in the program by being sponsored by a contract holder of Michigan Sugar Company.
2. Participating members are required to make an exhibit at a county fair, 4-H club or FFA chapter, county crop show, or at an event held by their Michigan Sugar Ag Staff. This exhibit should consist of three uniform sugarbeets, properly cleaned, with the leaves, petioles and root hairs removed.
3. Participants shall also submit a complete and accurate record of labor, seed, fertilizer and other production costs of their crop. This record shall be kept in an approved Youth Project record book. The cost record is to be submitted to a Michigan Sugar Ag Office.

4. Youth Sugarbeet Project participants must be at least 8 years of age and no older than 18 years of age or have completed their senior year of high school during the calendar year of the project.

B. Basis for Awards

For proper recognition, the top participants in each Grower district will be given suitable awards and recognition. Top individuals will be selected from those with the highest combined scores in the “Cultural and Management Practices” and “Member’s Participation” sections as determined by the project score sheet. Participants in the project will be scored as follows:

1. Project participants should return completed booklets to the Michigan Sugar Company district office, or your 4-H/FFA Leader or Advisor, at a time to be determined by each Grower district and will have completed all questions.
2. It is recommended that the committee for scoring the book, interviewing the participants and determining the Youth Project participant awards consist of a 4-H leader or FFA advisor, one or more Agriculturalists or Michigan Sugar representatives, one or more grower directors, representative(s) from the county extension office, and possibly other members of the Ag community. It is recommended that this group score the “Cultural and Management Practices” section in the participant’s booklet between July 1st and the time of the personal interview (step 3).
3. It is further recommended that the participants be interviewed individually. The interview will determine the participant’s knowledge of improved cultural and production practices, the sugarbeet industry, and the processor-grower relationship. At the direction of the local agricultural manager, a written test will also be used for determining the interview score.

4. Youth Project participant awards will be determined by this same committee.
5. Each Grower District will score participants in accordance with guidelines drawn up by the Youth Advisory Committee.
6. Prestige and Premier Sugarbeet Growers shall be selected on the following basis:
 - a. Prestige Growers – One for each 15 participants or fraction thereof. **Participants must be 12 years old.**
 - b. Premier Growers – One for each 5 participants or fraction thereof.
 - c. A participant may not receive both Premier and Prestige Grower Award in any given year.
 - d. In case of a tie between two or more participants, Grower District Prestige or Premier Sugarbeet Growers shall be determined from the following:
 1. Participant completing most years in the Sugarbeet Project
 2. Oldest participant
 - e. Participants should be given the opportunity to give reports of their project to their district Board.

C. Awards Banquet

1. A local Grower district banquet will be held, at which time winners will be announced. Only participants who complete projects will be invited to the banquet.
2. The cost of the local banquets will be paid for by Michigan Sugar Company.

Michigan Sugar YOUTH PROJECT BOOK

Cultural & Management Practices on Your Project

I. Field Description

A. Tile drainage (check one)

1. Systematic grid pattern (every 4 rods, every 50 ft., etc.)
2. Random and low spots
3. Very little tile

B. Surface drainage (check any / all that apply)

1. Surface outlets and control structures
2. Surface ditching
3. Some undrained potholes

C. Topography (check one)

1. Level
2. Rolling

D. Soil type (check one)

1. Clay
2. Clay loam
3. Loam
4. Sandy loam
5. Sandy

E. Total acres in project field _____

II. Soil Test Report

A. Soil test taken: Yes No Date _____ 20____

1. Test results

pH _____ Avail. Lbs. P_2O_5 _____ Avail. Lbs. K_2O _____

2. Recommendations/soil test (lbs./acre)

N _____ P_2O_5 _____ K_2O _____

B. Soil Nitrate test taken: Yes No Date _____ 20____

Nitrogen Avail. lbs./acre _____ top 2 ft

Nitrogen recommendation lbs./acre _____

III. Crop history (fill in)

- A. Last year's crop _____
- B. Two years ago crop _____
- C. Three years ago crop _____

IV. Type of Primary Tillage (check one)

- A. Fall plowed
- B. Chisel plowed
- C. No primary tillage
- D. Deep subsoil tillage

V. Secondary Tillage (check one - if any)

- A. Fall or winter secondary tillage
- B. No spring tillage
- C. One pass tillage in spring
- D. Tilled two or more passes in spring

VI. Fertilizer Program

Name of Fertilizer Dealer: _____

A. Fall application:

lbs./acre _____ Analysis _____

Actual lbs.: N: _____ P₂O₅ _____ K₂O _____ /acre

B. Broadcast in spring before planting:

lbs./acre _____ Analysis _____

Actual lbs.: N: _____ P₂O₅ _____ K₂O _____ /acre

Second application (if any):

lbs./acre _____ Analysis _____

Actual lbs.: N: _____ P₂O₅ _____ K₂O _____ /acre

C. Starter fertilizer:

1. In row with planter:

lbs./acre _____ Analysis _____

Actual lbs.: N: _____ P₂O₅ _____ K₂O _____ Mn _____ B _____ /acre

J. Oil seed radish

K. Clover

IX. Stand – Beets per 100’ of row

A. At first cultivation

B. At harvest

X. Pesticides used (list all used)

A. Preemergence (weed control) _____

B. Postemergence (weed control) _____

C. Insecticide _____

D. Fungicide _____

XI. Weed control (check any that apply)

A. Excellent Good Fair Poor

B. How controlled

1. By herbicide

2. By hand labor

3. By cultivation – fill in number of times cultivated _____

XII. Crop Stress (check any that apply)

A. Insect damage

B. Disease:

1. Seedling disease

2. Leafspot - Cercospora

3. Rhizoctonia

4. Rhizomania

C. Nematodes

D. Herbicide damage

E. Wind

F. Crusting

G. Moisture:

- 1. Too little
 - 2. About right
 - 3. Too much
- H. Frost

XIII. Harvest Results (complete)

- A. Recoverable white sugar per ton (RWST) _____
- B. Tons per acre _____
- C. Recoverable white sugar per acre (RWSA) _____
- D. Percent sugar _____
- E. Percent clear juice purity (CJP) _____
- F. Percent tare _____
- G. Date of harvest _____

XIV. Financial Report (all income and cost in dollars per acre)

A. Income (gross dollar per acre) \$ _____

B. Expenses (dollar per acre)

1. Total fertilizer \$ _____

2. Seed \$ _____

3. Herbicides \$ _____

4. Insecticides \$ _____

5. Fungicides \$ _____

6. Labor

a) Plow \$ _____

b) Seed bed preparation \$ _____

c) Plant \$ _____

d) Spray (application only) \$ _____

e) Crust bust \$ _____

f) Cultivate \$ _____

g) Topping \$ _____

h) Harvest \$ _____

i) Hauling \$ _____

j) Other _____ \$ _____

k) Other _____ \$ _____

l) Other _____ \$ _____

7. Land cost (dollar per acre)

a) Rent \$ _____

b) Interest on investment \$ _____

c) Property taxes \$ _____

Total Expenses \$ _____

C. Net profit or loss \$ _____

Member's Participation in Project Score Sheet

Possible Score

Participant's Score

Test 20 _____

Interview 20 _____

Quality and detail of completed report and story:

A. Excellent 30 _____

B. Good 20 _____

C. Fair 10 _____

Ag Day and/or
Summer Event 20 _____

Fair or Sugarbeet Exhibit 10 _____

Total Possible Points 100 _____

Total Participant's Points _____

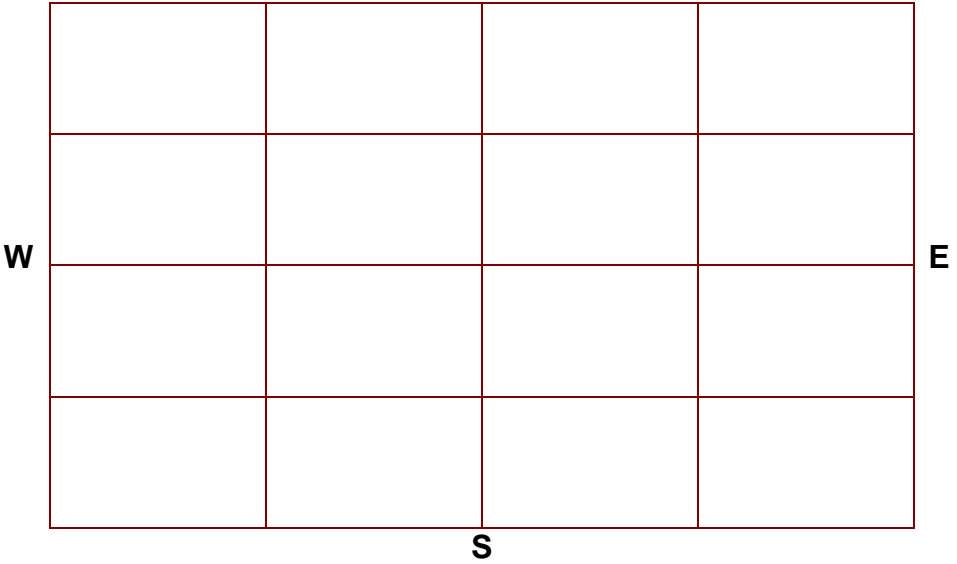
Date _____, 20____

Signed _____

Ag Manager

Plot of Your Farm

N



Acreage for your Sugarbeet Project should be accurately plotted from KNOWN REFERENCE POINTS on the map above. (If in a larger field, the description of your acreage might read: rows 20-40 from the west side of the southwest quarter; or all sugarbeets from the north boundary of Field G to a point 200' from this boundary; or any way to designate your project acreage in relation to home farm.)

County: _____

Township: _____

Section: _____

Description: _____

Contract Number: _____



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