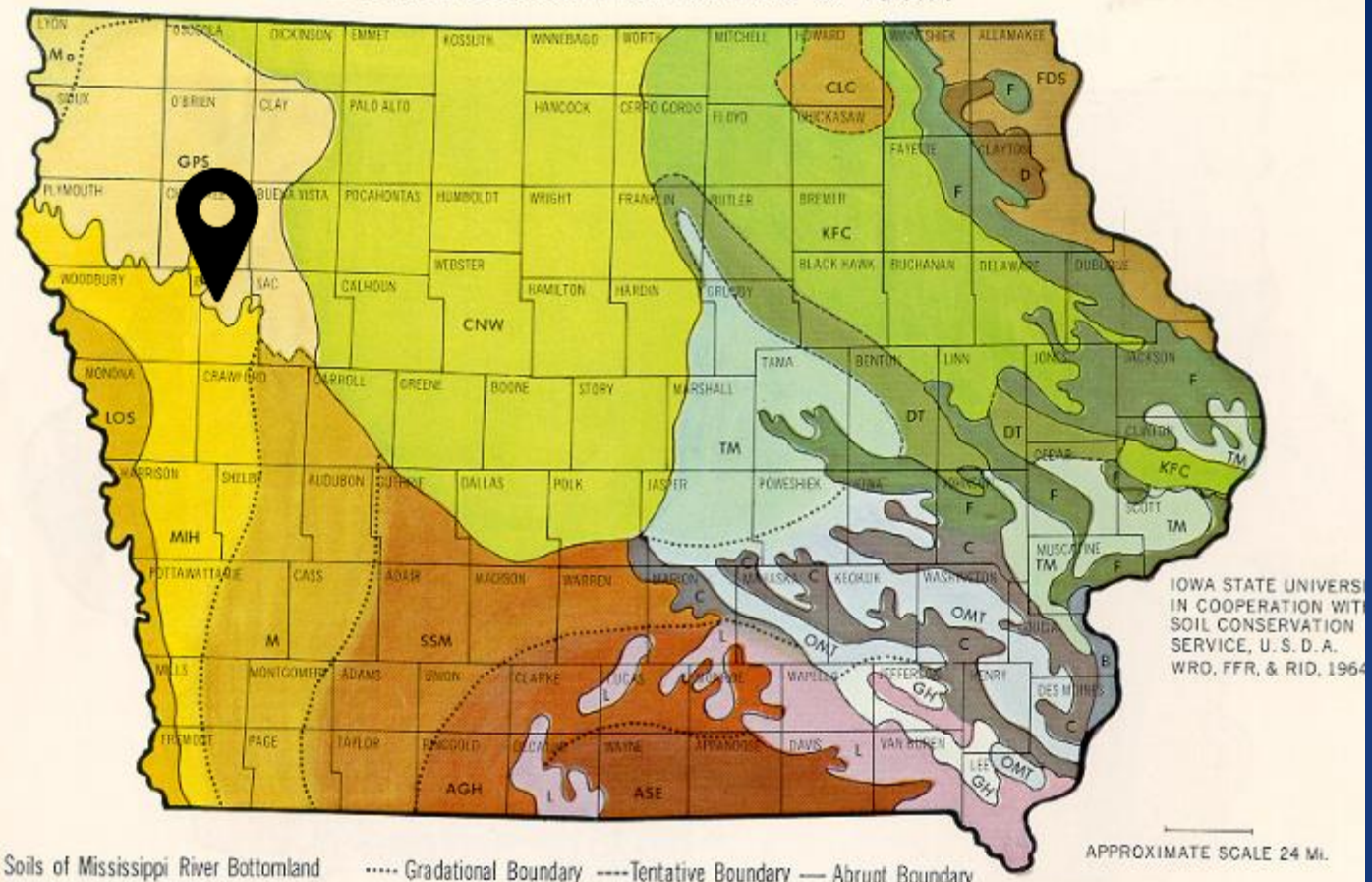
Organic Equipment and Weed Control for Beginners
Scott Ausborn- Ida Grove, IA

FIG. 14. PRINCIPAL SOIL ASSOCIATION AREAS OF IOWA



IOWA STATE UNIVERSI
IN COOPERATION WIT
SOIL CONSERVATION
SERVICE, U. S. D. A.
WRO, FFR, & RID, 1964

APPROXIMATE SCALE 24 Mi.

B Soils of Mississippi River Bottomland

····· Gradational Boundary ----Tentative Boundary — Abrupt Boundary

AGH Adair-Grundy-Haig	D Downs	GH Grundy-Haig	MIH Monona-Ida-Hamburg
ASE Adair-Seymour-Edina	DT Dinsdale-Tama	KFC Kenyon-Floyd-Clyde	Mo Moody
C Clinton-Keswick-Lindley	F Fayette	L Lindley-Keswick-Weller	OMT Otley-Mahaska-Taintor
CLC Cresco-Lourdes-Clyde	FDS Fayette-Dubuque-Stonyland	LOS Luton-Onawa-Salix	SSM Shelby-Sharpsburg-Macksburg
CNW Clarion-Nicollet-Webster	GPS Galva-Primghar-Sac	M Marshall	TM Tama-Muscatine

Farm Overview

- 600 acres tillable, Galva silty clay loam
  - 50 acres certified organic in 2018
  - 50 acres in T2 organic 2019
  - 8 acres in T1 organic 2020
  - 60 acres planned for organic 2021

Tentative Rotation

Rotation 1

2016 - Oats/Alfalfa (T)
2017 - Alfalfa (T)
2018 - Corn
2019 - Soybeans
2020 - Corn
2021 - Oats/Red clover

Rotation 2

2016 crop – Soybeans (T)
2017 crop – oats/alfalfa (T)
2018 crop – Corn
2019 crop – Soybeans
2020 crop – Oats/Red clover

Weed Control Cost Comparison
Corn (previous crop soybeans)

Conventional	Cost/acre		Organic	Cost/acre
Field Cultivate + spray	$5.50		Field Cultivate	$5.50
Preemerge chemical	$16		Field Cultivate	$5.50
Spray	$4.20		Rotary Hoe	$2.80
Postemerge chemical	$33.50		Rotary Hoe	$2.80
			Row Cultivate	$4.70
			Row Cultivate	$4.70
Total	**$59.20**		**Total**	**$26.00**

Weed Control Cost Comparison
Soybeans (previous crop corn)

Conventional	Cost/acre		Organic	Cost/acre
Disc (fall)	$6.40		Chisel Plow (fall)	$7.60
Field Cultivate	$5.50		Disc	$6.40
preemerge chemical	$26		Field Cultivate	$5.50
Spray	$4.20		Rotary Hoe	$2.80
postemerge chemical	$30		Rotary Hoe	$2.80
			Row Cultivate	$4.70
			Row Cultivate	$4.70
Total	**$72.10**		**Total**	**$34.50**

8312 CASE IH

New Holland

Rotation Weed Control

- Solid seeded crop
- Cutting
- Can I go 3 years of row crops consecutive?

JOHN DEERE
4440

Buffalo

Buffalo

September 14, 2018

September 21, 2018

Thank You

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