Farmer Profile – A

**Jerry Kusack** is a farmer in north-central Iowa. His Hardin County farm is primarily in the Tama soil series, and is about 4% slope at a length of 150 feet. He has 600 acres that he farms in a corn and soybean rotation. He currently uses a chisel plow for tillage, and leaves 40% cover after planting, but he is looking for ways to increase his soil conservation. Jerry does not own livestock, or utilize other conservation practices.

Jerry is excited about conserving more soil, but he is concerned about cost of seed, and having time to terminate the crop in the spring.

Jerry should use \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ as his cover crop.

He will seed it using \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

He will terminate it using \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

This system is good for Jerry’s operation, because:

Farmer Profile – B

**Jessica Ravens** is a farmer in southeast Iowa. Her Wapello County farm is primarily in the Gara soil series, and has slopes of 15% at lengths of 300 feet. She farms about 300 acres, 200 of which she keeps in a four-year crop rotation of corn, soybeans, oats, and alfalfa. She currently uses a no-till system with 50% cover after planting. Jessica does run a cattle herd, and has a few goats. She also uses terraces with grassed waterways.

Jessica knows the importance of conserving soil on the steep slopes of her farm, but is concerned about compaction, as well as cost to implement cover crops.

Jessica should use \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ as her cover crop.

She will seed it using \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

She will terminate it using \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

This system is good for Jessica’s operation, because:

Farmer Profile – C

**Scott Martinez** is a farmer in western Iowa. His Crawford County farm is primarily in the Monona soil series, with about an 8% slope at a length of 100 feet. He farms about 400 acres in a five-year rotation of corn, soybeans, corn, oats, and alfalfa. Currently, he is not tilling his fields, and they have about 70% cover after planting. Scott does not have livestock he grazes, but he does cut hay to use for his small sheep herd, as well as to sell to neighbors. He also uses contour planting as a conservation method.

Scott is happy with his current crop rotation, but is concerned about soil health. He wants to add more organic matter to the soil, as well as keep nutrients in it for his regular season crops.

Scott should use \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ as his cover crop.

He will seed it using \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

He will terminate it using \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

This system is good for Scott’s operation, because:

Farmer Profile – D

**Samantha Jones** is a farmer in northeast Iowa. Her Delaware County farm has soils in the Floyd soil series, with a 2% slope at a length of 200 feet. Samantha farms about 250 acres in a two-year crop rotation of corn and soybeans. She currently uses a chisel plow for tillage, and leaves 20% cover after planting. Samantha does not own livestock, or use other conservation practices.

Even though Samantha’s land is not on a steep slope, she is concerned with conserving as much soil as possible. She is also concerned about adding nutrients to the soil, and improving soil health.

Samantha should use \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ as her cover crop.

She will seed it using \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

She will terminate it using \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

This system is good for Samantha’s operation, because: