

Snapshot of CF Yields

(Extract from “Benefits of Conservation Agriculture in Improving Soil Productivity, Nutrient Dynamics and Crop yield in Uganda” A Soil Research Study commissioned under CARP and conducted by CKKB Consult Ltd.)

CF Yield Data As Compared To Conventional Tillage

Mean Maize Grain Yield Over 4 Seasons

| Practices Applied | Tons Per Hectare | | | |
|--|------------------|-------|-------|-------|
| | 2012A | 2012B | 2013A | 2013B |
| Traditional Farmer Practice – Conventional Tillage | 1.72 | 1.60 | 1.12 | 1.94 |
| Conservation Farming = Basins + Herbicide Use | 2.73 | 3.20 | 2.15 | 4.06 |
| Conservation Farming = Basins + Fertilizers + Herbicide Use + Crop Residue Retention | 4.00 | 4.10 | 4.10 | 5.70 |

Mean Sunflower Seed Yield Over 4 Seasons

| Practices Applied | Tons Per Hectare | | | |
|--|------------------|-------|-------|-------|
| | 2012A | 2012B | 2013A | 2013B |
| Traditional Farmer Practice – Conventional Tillage | 1.60 | 1.70 | 1.33 | 1.74 |
| Conservation Farming = Basins + Herbicide Use | 2.55 | 2.35 | 2.67 | 3.40 |
| Conservation Farming = Basins + Fertilizers + Herbicide Use + Crop Residue Retention | 3.20 | 3.20 | 4.70 | 4.56 |

Mean Soybean Seed Yield Over 3 Seasons

| Practices Applied | Tons Per Hectare | | |
|--|------------------|-------|-------|
| | 2012A | 2012B | 2013A |
| Traditional Farmer Practice – Conventional Tillage | 1.20 | 0.90 | 0.86 |
| Conservation Farming = Basins + Herbicide Use only | 1.8 | 1.60 | 1.46 |
| Conservation Farming = Basins + Fertilizers + Herbicide Use + Crop Residue Retention | 2.5 | 2.70 | 2.88 |

Mean Bean Seed Yield over 4 Seasons

| Practices Applied | Tons Per Hectare | | | |
|--|------------------|-------|-------|-------|
| | 2012A | 2012B | 2013A | 2013B |
| Traditional Farmer Practice – Conventional Tillage | 1.2 | 1.1 | 0.52 | 0.65 |
| Conservation Farming = Basins + Herbicide Use | 1.6 | 1.7 | 1.14 | 1.65 |
| Conservation Farming = Basins + Fertilizers Herbicide Use + Crop Residue Retention | 2.0 | 2.5 | 1.52 | 2.47 |