Biomass Collection Value Opportunity

OPPORTUNITY	POSSIBLE $/ACRE	YOUR $/ACRE
Revenues from Residue		
Custom Model $	$20-$25	_____
Grower Model $	$28.65-$34.75	_____
Grower $ from backside of this flyer. Cash received after delivery of biomass to Project LIBERTY.		
Nutrient Replacement 10-15 lbs of potassium	($5-$8)	_____
Supported by 5 years of data from ISU/USDA.		
Combine Fuel Savings 30 HP or 1/2 gallon of diesel	$0-$2	_____
Dissengaging your chopper/spreader can either lead to fuel savings or additional HP for threashing.		
Tillage Chopping corn stalks = $11.50, Disking = $13.50, Chisel = $15.00, Deep Tillage = $20.00	$0-$20	_____
By removing 20-25% of the residue, you may be able to remove one of these steps in your tillage program.		
Yield 0-5% increase, $5/bu, 185bu/ac	$0-$46.25	_____
Studies from ISU and USDA have shown yield increases on corn-on-corn acres where biomass has been removed.		
Nitrogen Reduction 0-15% reduction, 200 lb/ac @440/ton	$0-$23.50	_____
Studies have shown it is possible to reduce the amount of nitrogen needed in a corn-on-corn rotation where some biomass is removed.		
Total	$12-$123.50	_____

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Grower Model

OPPORTUNITY	POSSIBLE $/ACRE	YOUR $/ACRE
Round Baling 1.81 Round Bales / Dry Ton		
Baling Average $13/bale ($10-$14)	$23.53	_____
Staging Average $2.85/bale ($1.50-4.00)	$5.16	_____
Loading / Transportation Average $0.19/bale/loaded mile ($0.07-0.27) + $1 / bale for loading	$6.56	_____
TOTAL: Baling, Staging, Transport	$35.25	_____
Square Baling 2.0 Square Bales / Dry Ton		
Baling Average $13/bale ($10-$17.50)	$26.00	_____
Staging Average $3.55/bale ($4-$10)	$7.10	_____
Loading / Transportation Average $0.25/bale/loaded mile ($0.13-0.40) + $1 / bale for loading	$8.25	_____
TOTAL: Baling, Staging, Transport	$41.35	_____
Revenues from Residue Farmer Model Range –$54-$79.50	$70	_____
Cash received after delivery of biomass to Project LIBERTY.		
Total	$28.65-34.75	_____

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