

























	Solar Sa	ivings – Fiel	d Crops	
orying grain to re	move 1% point of	f moisture needs 0	0.01 kWh per bushe	el
<ul> <li>Corn harvest mo</li> <li>Dry moisture de</li> </ul>	bisture = 20.5% sired = 15.5% (differen	nce of 5 %)		
⁄lichigan farm wi	ith 500 acres of co	orn, average yield	180 bushels/acre	
<ul> <li>180 x 500 = 93,0</li> <li>93,000 bushels &gt;</li> </ul>	000 bushels X 5 percentage points	s X 0.01 kWh = 4,650 k	:Wh	
• 4,650 kWh X \$0.	.19 per kWh = \$883.5	50 per year		



	1:	<b>Sola</b> 2 x 12 :	r Sa x 9 com	vings -	Fru storag	it je			
Month	He	ating		Bef	rigeration-		Circulat	ing Fans Lights	Total
	Heating (Btu/mo)	kWh/mo	Heat Cost	Cooling (Btu/mo)	kWh/mo	Cooling Cost	kWh	Cost	ŚUSD
January	220606	68	\$12.92	935570	110	\$20.90	269	\$51.11	\$84.93
February	107586	33	\$6.27	998719	117	\$22.23	243	\$46.17	\$74.67
March	0	0	\$0.00	1396363	164	\$31.16	269	\$51.11	\$82.27
April	0	0	\$0.00	1888260	222	\$42.18	260	\$49.40	\$91.58
May	0	0	\$0.00	2487550	293	\$55.67	269	\$51.11	\$106.78
June	0	0	\$0.00	2768388	326	\$61.94	260	\$49.40	\$111.34
July	0	0	\$0.00	2930126	345	\$65.55	269	\$51.11	\$116.66
August	0	0	\$0.00	2821733	332	\$63.08	269	\$51.11	\$114.19
September	0	0	\$0.00	2491730	293	\$55.67	260	\$49.40	\$105.07
October	0	0	\$0.00	2310927	272	\$51.68	269	\$51.11	\$102.79
November	0	0	\$0.00	1538737	181	\$34.39	260	\$49.40	\$83.79
December	115122	36	\$6.84	1090925	128	\$24.32	269	\$51.11	\$82.27
	443314	137	\$26.03	23659028	2783	\$528.77	3166	\$601.54	
Est. Yearly Electric Us	e 6086	kWh	\$1,880 -	\$1156 = \$724 a	dditiona	l savings	🗑 🗄	tension iversity of Wate	min Maduur





MICHIGAN STATE UNIVERSITY	For more information on	
	Charles Gould • Bioenergy Extension Educator • gouldm@msu.edu	
	Jon LaPorte • Farm Business Management Educator • <u>laportej@msu.edu</u>	
	Corey Clark • Farm Business Management Educator • <u>clarkcr@msu.edu</u>	R