

Table 5. Example breakeven prices and yields calculated using annualized net revenues across four different opportunity cost of land scenarios: 1) average regional land rent for non-irrigated crop land; 2) average regional pasture rent; 3) an arbitrary “high” rent (\$100/ac/year); and 3) an arbitrary “low” rent (\$10/ac/yr). Discounted and annualized at a real rate of 4%. Values are in 2016\$.

Opportunity cost set at \$10/ acre		Woody biomass price per dry ton							
Dry tons per acre	\$20	\$25	\$30	\$35	\$40	\$45	\$50	\$55	\$60
9	(\$260)	(\$217)	(\$173)	(\$130)	(\$87)	(\$44)	(\$0)	\$43	\$86
12	(\$202)	(\$145)	(\$87)	(\$29)	\$28	\$86	\$144	\$201	\$259
15	(\$145)	(\$73)	(\$0)	\$72	\$144	\$216	\$288	\$360	\$432
18	(\$87)	(\$0)	\$86	\$173	\$259	\$346	\$432	\$519	\$605
21	(\$29)	\$72	\$173	\$273	\$374	\$475	\$576	\$677	\$778
24	\$28	\$144	\$259	\$374	\$490	\$605	\$720	\$836	\$951
Opportunity cost = \$22/acre/year		Woody biomass price per dry ton							
Dry tons per acre	\$20	\$25	\$30	\$35	\$40	\$45	\$50	\$55	\$60
9	(\$272)	(\$229)	(\$185)	(\$142)	(\$99)	(\$56)	(\$12)	\$31	\$74
12	(\$214)	(\$157)	(\$99)	(\$41)	\$16	\$74	\$132	\$189	\$247
15	(\$157)	(\$85)	(\$12)	\$60	\$132	\$204	\$276	\$348	\$420
18	(\$99)	(\$12)	\$74	\$160	\$247	\$333	\$420	\$506	\$593
21	(\$41)	\$60	\$160	\$261	\$362	\$463	\$564	\$665	\$766
24	\$16	\$132	\$247	\$362	\$478	\$593	\$708	\$824	\$939
Opportunity cost = \$64/ac/year		Woody biomass price per dry ton							
Dry tons per acre	\$20	\$25	\$30	\$35	\$40	\$45	\$50	\$55	\$60
9	(\$314)	(\$271)	(\$227)	(\$184)	(\$141)	(\$98)	(\$54)	(\$11)	\$32
12	(\$256)	(\$199)	(\$141)	(\$83)	(\$26)	\$32	\$90	\$147	\$205
15	(\$199)	(\$127)	(\$54)	\$18	\$90	\$162	\$234	\$306	\$378
18	(\$141)	(\$54)	\$32	\$118	\$205	\$291	\$378	\$464	\$551
21	(\$83)	\$18	\$118	\$219	\$320	\$421	\$522	\$623	\$724
24	(\$26)	\$90	\$205	\$320	\$436	\$551	\$666	\$782	\$897
Opportunity cost set at \$100/ acre		Woody biomass price per dry ton							
Dry tons per acre	\$20	\$25	\$30	\$35	\$40	\$45	\$50	\$55	\$60
9	(\$350)	(\$307)	(\$263)	(\$220)	(\$177)	(\$134)	(\$90)	(\$47)	(\$4)
12	(\$292)	(\$235)	(\$177)	(\$119)	(\$62)	(\$4)	\$54	\$111	\$169
15	(\$235)	(\$163)	(\$90)	(\$18)	\$54	\$126	\$198	\$270	\$342
18	(\$177)	(\$90)	(\$4)	\$83	\$169	\$256	\$342	\$428	\$515
21	(\$119)	(\$18)	\$83	\$183	\$284	\$385	\$486	\$587	\$688
24	(\$62)	\$54	\$169	\$284	\$400	\$515	\$630	\$746	\$861

