

Appendix C

Table A4: Tobit Model for other conservation practices

	Fallow for a year (BWS1)	Biochar (BWS2)	Halving inputs (BWS3)	Returning residues (BWS6)	Improving irrigation (BWS7)	Substituting CF/OF (BWS8)
	Coef. (Std.Err)	Coef. (Std.Err)	Coef. (Std.Err)	Coef. (Std.Err)	Coef. (Std.Err)	Coef. (Std.Err)
Pingliang City	-0.6301 (0.7128)	-2.0426** (0.8916)	-2.4481 * (1.4808)	1.3555* (0.7832)	2.8150**** (0.7396)	0.0850 (0.6361)
Zhangye City	0.4394 (0.5934)	0.0207 (0.6568)	1.7329 * (0.9859)	1.2051* (0.6979)	1.3033** (0.6639)	0.8704 (0.5580)
Wuwei City	-0.0687 (0.6378)	-0.2655 (0.7054)	2.3977 ** (1.0323)	2.2072*** (0.7198)	2.0726*** (0.7056)	0.3316 (0.5980)
Mixed crop-livestock farming	-0.0368 (0.5503)	0.0956 (0.6085)	-0.0961 (0.8234)	0.2336 0.5292	-0.3309 (0.5856)	1.0353** (0.4953)
Farm size	-0.0007 (0.0040)	0.0006 (0.0039)	0.0116 ** (0.0047)	0.0021 (0.0030)	-0.0022 (0.0037)	-0.0018 (0.0033)
Access to off-farm income	-0.3676 (0.5083)	0.4619 (0.5981)	1.5657 * (0.8885)	-0.6607 (0.5114)	0.3016 (0.5670)	0.6529 (0.4950)
Income level	-0.4562 ** (0.2061)	-0.3292 (0.2384)	-0.3691 (0.3345)	0.2945 (0.2061)	0.1046 (0.2207)	-0.0629 (0.1905)
Attended training courses on growing GMCCs	2.0894 ** (0.9871)	1.5190 (1.0905)	2.2314 (1.4618)	0.3589 (1.0413)	-0.4546 (1.1295)	-0.3938 (0.9766)
Attended training courses on production technology	-3.0697 **** (0.5609)	0.0151 (0.5258)	-0.3492 (0.7377)	0.6060 (0.4640)	1.5570*** (0.5006)	-0.2810 (0.4271)
Currently adopting crop rotation on farm	0.9534 (0.7320)	-0.5916 (0.7335)	-0.6558 (0.9520)	-0.0444 (0.6883)	-0.3302 (0.7079)	0.2679 (0.6018)
Currently growing GMCCs on farm	2.2345 ** (0.8952)	-0.1085 (1.1002)	-1.3292 (1.4852)	0.4516 (0.9347)	-2.9635** (1.1676)	-0.0969 (0.8659)
Currently substituting CF with OF	-1.7040 ** (0.8658)	0.3638 (0.8146)	0.9170 (1.1056)	-0.6239 (0.8496)	1.6993** (0.7839)	1.3863** (0.6638)
No conservation practices	1.5388 * (0.7931)	0.1896 (0.8047)	-2.2329 ** (1.1372)	0.4342 (0.7238)	0.4299 (0.7636)	0.2720 (0.6580)

WTA soil testing	-0.9928 (0.6419)	1.6991** (0.6857)	-0.6775 (0.9540)	0.2040 (0.6365)	-0.0585 (0.6661)	-1.0555* (0.5806)
WTA reduce CF	-0.1045 (0.5170)	0.1573 (0.6206)	0.9181 (0.8639)	0.7434 (0.5666)	0.5404 (0.5953)	0.5051 (0.5079)
WTA green manure crops	0.1393 (0.5089)	-0.8037 (0.6111)	-1.1047 (0.8530)	-0.6675 (0.5530)	0.4635 (0.5565)	-1.0595*** (0.4873)
WTA return straw residue	1.0063 * (0.5723)	0.2127 (0.6687)	-0.7380 (0.9816)	1.3235** (0.5843)	0.7448 (0.6321)	0.4228 (0.5473)
Log-likelihood	-292.9	-237.3	-227	-209.2	-419.9	-411

Notes: * p<0.1, ** p<0.05, *** p<0.01, **** p<0.001

All variables are binary except for farm size and income level