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Analysis of Representative Rice Farms Under H.R. 2646 and the Continuation of the FAIR Act

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In anticipation of the new farm bill, seventeen representative rice farms from six different rice-producing states have been analyzed to compare the continuation of the FAIR Act provisions with the House proposal, H.R. 2646. Each farm was simulated assuming each policy would be in place for the next five-year period, or 2002-2006. A full description of each of the farms can be found in the Appendix.

FAIR Act

Continuation of the FAIR Act would mean that Agricultural Market Transition Act (AMTA) payments would be made throughout the period at the rate scheduled for 2002. In order to qualify, a producer or owner must have participated in any of the 1991-1995 programs for rice, feed grains, cotton or wheat and agree to implement a Production Flexibility Contract (PFC). In exchange for the payments, the producer or owner must: (1) meet the specified conservation requirements dealing with wetlands and use of erodible land, (2) must only use the contract acreage for agricultural type activities, and (3) must meet the requirements for planting flexibility.

Nonrecourse commodity loans and marketing loans are assumed to continue. A moving average of past market prices would yield the minimum levels for the commodity loans. Marketing loan rates and nonrecourse loans would be available to producers of rice, feed grains, wheat, oilseeds and upland cotton. However, these benefits are only made available to qualified producers if market prices fall below the commodity loan rates. Loan deficiency payments (LDP) are available to those producers who do not choose to take advantage of the CCC loan. Any producer applying for either kind of assistance must be in compliance with the wetlands and conservation requirements.

H.R. 2646

H.R. 2646 would continue to provide the American farmer with the planting flexibility that was given to them with the FAIR Act while providing the benefit of counter-cyclical protection from the effects of adverse market conditions. These counter-cyclical payments (CCP) would be triggered when the crop's price (after being adjusted for the AMTA payment) falls below it's target price. The CCP rate would be calculated as the target price minus the decoupled payment rate (AMTA rate) minus the higher of the twelve-month season average price received by the producers or the national average loan rate. The decoupled payments, as well as, marketing loan program benefits would still be available to qualified producers. The marketing loan rates set in the FAIR Act will remain the same with the exception of soybeans and grain sorghum. The rate for soybeans would be reduced to a level that is consistent with all other commodities while grain sorghum would be raised equal to the loan rate for corn.

The proposed program would also offer producers the option to retain their old base acres or update their base according to recent plantings. The updated base option would be an average of 1998-2001 planted acres of each commodity. Farms could acquire soybean base by choosing this option. The fixed de-coupled payments (AMTA) and the counter-cyclical payments would be paid on eighty-five percent of the producers base acreage. However, farm program yields for each producer will not change. AMTA base acreage and farm program yield that is comparable to AMTA yields in the area would be developed for soybeans. The payment limits for this program are set at $50,000 for fixed decoupled payments, $75,000 for counter-cyclical payments and $150,000 for the marketing loan gains and/or loan deficiency payments.

A comparison of the parameters for the FAIR Act and the H.R. 2646 proposal is provided in Table 1 and Figure 1. All loan rates in the proposal except sorghum and the soybeans remain at their levels under the FAIR Act. The sorghum loan rate was raised to the level of corn, and the soybean loan rate was reduced. The proposed target prices for grains and cotton are set at 1995 levels. Soybeans would be assigned a target price of $5.26/ bu. AMTA rates for rice, cotton, and feed grains would be increased by the proposal over their current levels in the FAIR Act. The reduction in the soybean loan rate is offset by a $0.42/bu AMTA rate.

Results

The 17 representative rice farms were simulated using AFPC's whole farm simulation model to project the economic impacts under the current program and the H.R. 2646 proposal. The sector level analysis of H.R. 2646 by FAPRI was used as input into the farm level analysis. FAPRI's analysis showed H.R. 2646 would only have minor changes in planted acres (Table 2) and prices for the program crops (Table 3), from their January 2001 baseline for the current farm program as well as modest increases in cost of production. On average over the 2002-2010 time frame, the nine program crop acreage would increase by 810,000 acres. Of this, rice acreage would account for approximately 20,000 acres. Soybean acreage would decrease by 61,000 acres. Due partly to this decrease in acreage, price for soybeans is projected to increase an average of $0.04. Rice prices, however, are projected to be down an average of $0.07/cwt. Total government payments to agriculture would increase Commodity Credit Corporation (CCC) net outlays by an average of $16.0 billion per year under H.R. 2646. FAPRI also reports that 88 percent of the increase in government outlays contributes to the increase in net cash farm income. On average under H.R. 2646, government payments would account for 35 percent of rice gross receipts as compared to the 30 percent under the FAIR Act.

If given the option to update their base acres as in H.R. 2646, 10 out of the 17 rice farms would update base acres to their average planted acres over 1998-2001 (Table 4). The changes in base acres for these farms ranged from 224 acres on TXR3200 to as much as 2,532 acres on MSR4735 (Table 5). The 7 farms that would choose to keep their 1996 base had not increased their acreage over the 1998-2001 years. The 10 operations that would take advantage of the option to update their base have expanded their rice acres since 1985 and/or raise soybeans. It was determined that gains from these sources would offset any losses in income that the 10 farms might incur from giving up base on the other program crops. For example, the Northeast Louisiana farm would lose about 20 cotton base acres but on net would gain base because of increased rice and soybean acreage.

All of the 17 rice farms would experience an increase in average annual net cash farm income over the 2002-2006 period under H.R 2646 (Table 6). Several of the farms would see their average net cash incomes change from negative to positive if H.R. 2646 was put in place (CAR424, CAR2365, CAR1420, TXR1650, LANR2500, and MSR4735). The California farms would observe more than a $95 per acre increase in net cash farm income while the other farms gain $30 to $50 per acre as a result of the proposed program. The California farms gain more per acre because they only grow rice and their farm program yields for rice are 18.4 cwts. more per acre than the average of the other farms.

When looking at cash reserves, 16 of the farms had greater than a 70 percent chance of a cash flow deficit in 2006 assuming the continuation of the FAIR Act (Tables 7-15). Twelve of the 17 farms have a greater than 90 percent chance of cash flow deficits in all years. Even the three farms with the most favorable net income situation, 3,640 and 5,000-acre Arkansas farms and the 4,000-acre East Missouri farm, are projected to see increasing probabilities of cash flow deficits over the period. The 3,640-acre Arkansas farm begins with only a 7 percent chance of a deficit, but by 2005 its probability increased to 60 percent. The 5,000-acre farm does not fair as well. It begins with a 43 percent probability of a deficit, which steadily increases to 89 percent by 2006. The East Missouri farm has a 58 percent chance of a deficit in 2002, which increases to 90 percent by 2005.

Under the House Bill H.R. 2646, all 17 rice farms increased net cash farm income relative to the current farm bill (Figures 2-18 and Tables 7-15). These increases range from $43,000 on the 424 acre California farm to $234,000 on the 2,365-acre California operation. Sixteen of the 17 farms showed a decrease in their probability of cash flow deficit under H.R. 2646 compared to the current farm bill in at least one of the 5 years (Tables 7-15). Only the 2,500-acre North Louisiana farm and the 1,650 acre Texas farm showed no decrease in their probability of a cash flow deficit in any of the years (Tables 10 and 11). However, 3 farms showed an increase in their probability of cash flow deficit for at least one of the years under H.R. 2646 as opposed to the current farm bill. For example, MSR4735 in 2003 under the current farm bill has a 99.0 percent chance of experiencing a cash flow deficit, but in the same year has a 99.8 percent chance under H.R. 2646 (Table 15). Sixteen of the 17 farms also either improved or showed no change in their probability of losing net worth from the current farm bill to H.R. 2646 in all years (Tables 7-15). The TXR1650 farm showed no change in its probabilities from one program to the other with the exception of 2004 where its probability increased from 99.0 to 99.8 percent (Table 10).

The impacts of H.R. 2646 on a farm's net cash farm income can also be determined using probability distributions (Figures 2-18). The s-shaped lines in figures show the range of average annual net cash farm income values from 2002-2006 that could occur for that farm if the particular program was in place. The thin vertical line is both the zero net cash farm income line and the line from which probabilities can be read. The probability of a particular net cash farm income value for a particular program can be found by tracing up from an income value on the bottom axis until it hits the program line of interest and reading across to the probability line. For example, the CAR424 farm has about a 33 percent chance of income less than $25,000 under the H.R. 2646 proposal (Figure 7).

The net income figures can also be used to determine the probability of the farm meeting it's average annual cash need for the 2002-2006 time period under each program. Average annual net cash need is the bold vertical line, which represents average family living expenses, income taxes, social security, principal payments, and machinery replacement. The probability of having a cash flow deficit can be read at the point where the minimum cash needs line crosses a program's net cash income line. If the minimum cash needs line does not cross the program line then there is a 99.9 percent chance that the particular farm would not meet its average cash needs. For example, CAR424 (Figure 2) has a 99.9 percent probability of a cash flow deficit on average over the years 2002-2006 under the FAIR Act because the Fair Act's income line lies to the left of the minimum cash needs line. The probability of a cash flow deficit decreases slightly to roughly 90 percent under H.R. 2646 for the CAR424 farm (Figure 2).

Summary

While the net cash farm income for each farm increases under H.R. 2646, the outlook for many of the representative rice farms remain rather bleak. Many of the farms continue to face significant chances of a cash flow deficit and losing real net worth even with the additional government support that H.R. 2646 would provide.

Table 1. Comparison of Parameters for the FAIR ACT to H.R. 2646 Proposal, 2002-2006 Crop Years

	Current	HR 2646
Loan Rate		
Rice ($/cwt)	6.50	6.50
Soybeans ($/bu)	5.26	4.92
Wheat ($/bu)	2.58	2.58
Corn ($/bu)	1.89	1.89
Sorghum ($/bu)	1.71	1.89
Cotton ($/lb)	0.5192	0.5192
Target Prices		
Rice ($/cwt)		10.82
Soybeans ($/bu)		5.86
Wheat ($/bu)		4.04
Corn ($/bu)		2.78
Sorghum ($/bu)		2.64
Cotton ($/lb)		0.736
AMTA Rates		
Rice ($/cwt)	2.04	2.35
Soybeans ($/bu)	-	0.42
Wheat ($/bu)	0.4578	0.53
Corn ($/bu)	0.2608	0.30
Sorghum ($/bu)	0.3126	0.36
Cotton ($/lb)	0.0556	0.0667

Table 2. Impacts of H.R. 2646 on Planted Acreage

Crop Year	2002	2003	2004	2005	2006	2007	2008	2009	2010	Average
9-Crop Total					(Million Acres)					
Baseline Policies	257.80	256.94	257.38	257.83	258.19	258.77	259.21	259.55	259.97	258.40
H.R. 2646	259.25	258.28	258.48	258.73	258.94	259.35	259.68	259.92	260.25	259.21
Difference	1.46	1.34	1.10	0.90	0.75	0.58	0.47	0.38	0.29	0.81
Rice										
Baseline Policies	3.40	3.39	3.39	3.39	3.38	3.37	3.35	3.33	3.31	3.37
H.R. 2646	3.43	3.41	3.41	3.41	3.39	3.38	3.37	3.34	3.32	3.39
Difference	0.04	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.02
Soybeans										
Baseline Policies	74.61	74.20	74.28	74.62	74.76	74.80	75.06	75.45	75.70	74.83
H.R. 2646	73.56	73.33	73.55	73.95	74.18	74.27	74.66	75.10	75.37	74.22
Difference	-1.05	-0.87	-0.73	-0.66	-0.58	-0.53	-0.40	-0.35	-0.33	-0.61
Upland Cotton										
Baseline Policies	15.43	15.35	15.29	15.26	15.23	15.17	15.17	15.12	15.07	15.23
H.R. 2646	15.64	15.53	15.45	15.41	15.35	15.28	15.26	15.19	15.13	15.36
Difference	0.21	0.18	0.16	0.14	0.12	0.11	0.09	0.08	0.06	0.13
Wheat										
Baseline Policies	62.39	62.12	62.55	62.81	63.04	63.37	63.76	63.90	64.17	63.12
H.R. 2646	63.15	62.82	63.14	63.31	63.44	63.72	64.05	64.13	64.36	63.57
Difference	0.75	0.70	0.60	0.50	0.40	0.35	0.29	0.23	0.19	0.45
Corn										
Baseline Policies	79.74	79.96	79.98	79.97	80.14	80.51	80.47	80.47	80.53	80.20
H.R. 2646	80.73	80.77	80.64	80.52	80.61	80.89	80.73	80.69	80.74	80.70
Difference	0.99	0.81	0.66	0.55	0.46	0.39	0.27	0.22	0.21	0.51
Sorghum										
Baseline Policies	9.49	9.30	9.26	9.20	9.17	9.14	9.07	9.03	9.00	9.18
H.R. 2646	9.93	9.74	9.63	9.53	9.45	9.36	9.25	9.18	9.12	9.47
Difference	0.45	0.44	0.38	0.32	0.29	0.22	0.18	0.15	0.11	0.28

Source: FAPRI, Analysis of H.R. 2646, August 2001.

Table 3. Impacts of H.R. 2646 on Crop Prices

Crop Year	2002	2003	2004	2005	2006	2007	2008	2009	2010	Average
Rice					(Dollars per Hundredweight)					
Baseline Policies	6.59	7.00	7.07	7.28	7.43	7.70	7.79	7.99	8.20	7.45
H.R. 2646	6.49	6.91	6.98	7.20	7.36	7.64	7.73	7.94	8.16	7.38
Difference	-0.10	-0.09	-0.09	-0.08	-0.07	-0.07	-0.06	-0.05	-0.04	-0.07
Upland Cotton					(Dollars per Pound)					
Baseline Policies	0.549	0.551	0.556	0.562	0.569	0.580	0.587	0.596	0.605	0.573
H.R. 2646	0.544	0.545	0.552	0.558	0.565	0.577	0.584	0.593	0.603	0.569
Difference	-0.005	-0.005	-0.005	-0.004	-0.004	-0.004	-0.003	-0.003	-0.002	-0.004
Soybeans					(Dollars per Bushel)					
Baseline Policies	4.61	4.76	4.95	5.07	5.19	5.36	5.50	5.63	5.72	5.20
H.R. 2646	4.68	4.82	5.00	5.11	5.23	5.39	5.53	5.65	5.74	5.24
Difference	0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.02	0.02	0.04
Wheat										
Baseline Policies	2.91	3.02	3.09	3.16	3.25	3.34	3.40	3.47	3.57	3.25
H.R. 2646	2.89	2.99	3.06	3.13	3.23	3.32	3.38	3.46	3.55	3.22
Difference	-0.03	-0.03	-0.03	-0.03	-0.02	-0.02	-0.02	-0.01	-0.01	-0.02
Corn										
Baseline Policies	2.08	2.11	2.15	2.22	2.29	2.36	2.42	2.49	2.56	2.30
H.R. 2646	2.04	2.06	2.10	2.18	2.26	2.33	2.40	2.47	2.55	2.27
Difference	-0.03	-0.04	-0.04	-0.04	-0.03	-0.03	-0.02	-0.02	-0.01	-0.03
Sorghum										
Baseline Policies	1.85	1.89	1.93	2.01	2.08	2.13	2.19	2.25	2.32	2.07
H.R. 2646	1.80	1.83	1.87	1.96	2.03	2.09	2.16	2.23	2.30	2.03
Difference	-0.05	-0.06	-0.06	-0.05	-0.04	-0.04	-0.03	-0.02	-0.02	-0.04

Source: FAPRI, Analysis of H.R. 2646, August 2001.

Table 4. Summary of How the Representative Rice Farms Would Elect to Change Base Acres Under the H.R. 2646 Proposal.[1]

	Retained 1996 Base	Updated Base to 98-01 Planted Acres
California		
CAR424	X	
CAR2365	X	
CAR1000	X	
CAR1420	X	
Texas		
TXR1553	X	
TXR3774	X	
TXR3200		X
TXR1650	X	
Louisiana		
LANR2500		X
LAR1200		X
Arkansas		
ARR3640		X
ARR3000		X
ARR1200		X
ARR5000		X
Missouri		
MOWR4000		X
MOER4000		X
Mississippi		
MSR4735		X

[1] The decision to update base acres was evaluated based on the method that generate the most government payments.

Table 5. Summary of Base Acres Under 1996 Provisions and H.R. 2646 for Representative Rice Farms.

	Current	HR2646	Gain or Loss
CAR424			
Rice	400	400	0
CAR2365			
Rice	2240	2240	0
CAR1000			
Rice	1000	1000	0
CAR1420			
Rice	1278	1278	0
TXR1553			
Rice	517.5	517.5	0
TXR3774			
Rice	1611	1611	0
TXR3200			
Rice	1216	1280	64
Sorghum	160	160	0
Soybeans	-	160	160
Sum	1376	1600	224
TXR1650			
Rice	703	703	0
LANR2500			
L. Rice	950	1000	50
Dry Soybeans	-	250	250
Irr Soybeans	-	500	500
Dry Cotton	182	162.5	-19.5
Irr Cotton	182	162.5	-19.5
Sorghum	100	100	0
Corn	200	200	0
Sum	1614	2375	761
LAR1200			
L. Rice	550	660	110
Field Soybeans	-	324	324
Sum	550	984	434
ARR3640			
M. Rice	325	122	-203
L. Rice	1055	1620	565
Wheat	1080	615	-465
Field Soybeans	-	883	883
Dry Soybeans	-	615	615
Sum	2460	3855	1395
ARR3000			
M. Rice	169	225	56
L. Rice	956	1275	319
Irr. Soybeans	-	1256	1256
Dry Soybeans	-	94	94
Wheat	190	150	-40
Sum	1315	3000	1685
ARR1200			
L. Rice	660	660	0
Irr. Soybeans	-	576	576
Dry Soybeans	-	24	24
Wheat	40	60	20
Sum	700	1300	620
ARR5000			
L. Rice	1200	1500	300
Irr. Soybeans	-	1400	1400
Irr. Cotton	1406	1800.5	394.5
Wheat	400	300	-100
Sum	3006	5000.5	1994.5
MOWR4000			
Rice	1200	2000	800
Soybeans	-	2000	2000
Corn	800	0	-800
Cotton	400	0	-800
Sum	2400	4000	1200
MOER4000			
L. Rice	750	1334	584
Soybeans	0	1334	1334
Corn	1500	1333	-167
Sum	2250	4001	1751
MSR4735			
L. Rice	1202	1335	133
Dry Soybeans	-	700	700
Irr. Soybeans	-	2000	2000
Irr. Cotton	338	375	37
Dry Cotton	113	125	12
Wheat	350	0	-350
Sum	2003	4535	2532

Table 6. Comparison of H.R. 2646 Proposal to Continuation of the 1996 Farm Bill for Representative Rice Farms, 2002-2006.

	Avg. Net Cash Farm Income FAIR Act	Avg. Net Cash Farm Income H.R.2646	Change in Avg. Net Cash Farm Income From the FAIR Act to H.R.2646 Proposal
	($1,000)	($1,000)	($1,000)
California			
CAR424	-6.486	36.063	42.549
CAR2365	-34.669	192.341	227.010
CAR1000	62.115	165.859	103.744
CAR1420	-81.862	56.519	138.381
Texas			
TXR1553	7.401	57.676	50.275
TXR3774	97.749	197.926	100.177
TXR3200	52.168	165.528	113.360
TXR1650	-34.163	36.873	71.036
Louisiana			
LANR2500	-28.112	76.047	104.159
LAR1200	2.44	48.192	45.752
Arkansas			
ARR3640	318.782	451.843	133.061
ARR3000	117.52	267.346	149.826
ARR1200	43.063	106.37	63.307
ARR5000	371.11	600.288	229.178
Missouri			
MOWR4000	188.975	373.882	184.907
MOER4000	274.886	431.788	156.902
Mississippi			
MSR4735	-52.645	119.967	172.612

Table 7. Comparison of the 1996 Farm Program and H.R. 2646 Proposal for Representative Rice Farms in California.

	CAR424 '96 Bill	CAR424 HR 2646	CAR2365 '96 Bill	CAR2365 HR 2646
Overall Financial Position				
2002-2006 Ranking	Poor	Poor	Poor	Poor
Total Cash Receipts($1000)				
2000	347.80	347.80	2038.08	2038.08
2001	313.53	361.30	1847.25	2121.73
2002	315.73	354.39	1860.57	2082.51
2003	320.25	353.57	1887.42	2078.69
2004	300.87	333.65	1771.87	1960.06
2005	302.67	331.63	1782.79	1949.06
2006	299.07	326.17	1805.94	1961.50
2002-2006 Average	307.72	339.88	1821.72	2006.36
Government Payments($1000)				
2000	194.30	194.30	1132.01	1132.01
2001	121.54	169.28	713.02	987.36
2002	115.15	156.93	675.35	915.83
2003	106.84	143.14	626.03	834.99
2004	99.08	134.44	580.02	783.53
2005	94.70	126.05	554.04	734.44
2006	91.90	121.22	537.45	706.15
2002-2006 Average	101.53	136.36	594.58	794.99
Net Cash Farm Income ($1000)				
2000	64.84	64.84	318.96	318.96
2001	14.77	62.53	35.16	309.64
2002	21.39	63.16	70.52	305.68
2003	17.12	56.58	65.13	282.09
2004	-8.49	34.23	-53.23	175.59
2005	-20.85	22.27	-102.67	120.73
2006	-41.60	4.07	-153.09	77.61
2002-2006 Average	-6.49	36.06	-34.67	192.34
Prob. of a Cash Flow Deficit (%)				
2002	92.80	57.00	80.60	39.00
2003	99.00	73.00	90.40	52.20
2004	99.40	85.00	90.00	60.20
2005	99.00	95.00	95.20	72.20
2006	99.00	96.20	96.20	77.40
Ending Cash Reserves ($1000)				
2000	20.77	20.77	126.19	126.19
2001	-22.58	19.35	-43.25	157.57
2002	-61.74	10.51	-181.43	166.87
2003	-112.98	-8.50	-355.30	133.60
2004	-206.78	-65.19	-678.54	-36.34
2005	-319.81	-138.36	-1058.34	-243.75
2006	-438.51	-212.76	-1425.17	-422.54
2002-2006 Average	-227.96	-82.86	-739.76	-80.43
Nominal Net Worth ($1000)				
2000	667.57	667.57	2622.12	2622.12
2001	632.97	674.91	2478.82	2679.64
2002	589.32	661.56	2312.09	2660.36
2003	534.20	647.31	2130.85	2654.92
2004	457.01	618.23	1855.52	2577.67
2005	369.05	581.66	1541.03	2482.49
2006	269.18	537.37	1207.51	2382.93
2002-2006 Average	443.75	609.23	1809.40	2551.67
Prob. of Losing Real Net Worth (%)				
2002	1.00	1.00	1.00	1.00
2003	95.20	58.20	77.60	37.40
2004	96.20	62.20	80.40	47.60
2005	97.80	70.60	83.60	55.80
2006	99.00	78.40	89.20	61.60

Table 8. Comparison of the 1996 Farm Program and H.R. 2646 Proposal for Representative Rice Farms in California.

	CAR1000 '96 Bill	CAR1000 HR 2646	CAR1420 '96 Bill	CAR1420 HR 2646
Overall Financial Position				
2002-2006 Ranking	Poor	Poor	Poor	Poor
Total Cash Receipts ($1000)				
2000	849.87	849.87	1124.37	1124.37
2001	784.65	903.58	1016.69	1171.37
2002	790.36	886.53	1024.11	1149.18
2003	801.93	884.82	1039.15	1146.95
2004	752.41	833.95	974.91	1080.96
2005	756.98	829.02	980.77	1074.48
2006	858.40	934.24	1089.43	1185.63
2002-2006 Average	792.01	873.71	1021.67	1127.44
Government Payments ($1000)				
2000	479.67	479.67	636.98	636.98
2001	308.18	427.05	400.91	555.51
2002	291.91	396.09	379.74	515.24
2003	270.62	361.14	352.04	469.78
2004	250.76	338.93	326.21	440.87
2005	239.55	317.70	311.62	413.26
2006	261.45	343.68	331.73	436.04
2002-2006 Average	262.86	351.51	340.27	455.04
Net Cash Farm Income ($1000)				
2000	157.07	157.07	66.64	66.64
2001	53.59	172.52	-83.39	71.29
2002	71.65	174.94	-62.58	73.55
2003	72.09	168.67	-67.88	61.14
2004	14.28	117.07	-145.49	-6.91
2005	-10.97	90.75	-178.46	-41.34
2006	163.52	277.86	45.10	196.16
2002-2006 Average	62.11	165.86	-81.86	56.52
Prob. of a Cash Flow Deficit (%)				
2002	90.20	54.60	97.80	63.60
2003	97.80	70.60	99.80	73.80
2004	98.20	78.00	99.20	77.20
2005	99.20	82.60	99.80	85.20
2006	93.20	65.80	96.80	76.20
Ending Cash Reserves ($1000)				
2000	32.69	32.69	-5.29	-5.29
2001	-55.23	39.67	-170.32	-20.67
2002	-134.41	25.17	-322.70	-56.86
2003	-233.07	-12.84	-482.49	-110.75
2004	-417.37	-126.62	-728.69	-244.28
2005	-601.94	-231.75	-1020.86	-419.06
2006	-591.22	-148.48	-1073.12	-356.47
2002-2006 Average	-395.60	-98.90	-725.57	-237.48
Nominal Net Worth ($1000)				
2000	1139.97	1139.97	1679.07	1679.07
2001	2027.09	2121.98	1508.09	1657.73
2002	1938.09	2097.64	1320.15	1585.97
2003	1842.94	2091.44	1127.36	1518.28
2004	1699.47	2054.48	870.63	1398.66
2005	1574.83	2046.99	575.96	1246.97
2006	-59.00	383.73	-626.26	90.40
2002-2006 Average	1399.27	1734.85	653.57	1168.05
Prob. of Losing Real Net Worth (%)				
2002	1.00	1.00	1.00	1.00
2003	84.60	43.60	95.00	65.40
2004	87.40	51.00	95.80	68.20
2005	86.20	53.60	97.20	76.20
2006	99.00	99.00	99.00	99.00

Table 9. Comparison of the 1996 Farm Program and H.R. 2646 Proposal for Representative Rice Farms in Texas.

	TXR1553 '96 Bill	TXR1553 HR 2646	TXR3774 '96 Bill	TXR3774 HR 2646
Overall Financial Position				
2002-2006 Ranking	Poor	Poor	Poor	Poor
Total Cash Receipts ($1000)				
2000	429.58	429.58	1082.57	1082.57
2001	350.90	408.53	908.91	1036.77
2002	352.89	399.78	914.96	1018.47
2003	357.89	398.32	928.51	1017.73
2004	356.65	396.42	925.28	1013.04
2005	360.31	395.47	935.23	1012.80
2006	361.24	394.14	937.83	1010.43
2002-2006 Average	357.80	396.83	928.36	1014.49
Government Payments ($1000)				
2000	225.08	225.08	541.93	541.93
2001	130.01	187.61	325.06	452.86
2002	123.28	173.27	307.68	419.52
2003	115.05	158.44	285.55	382.72
2004	113.31	155.84	280.88	376.07
2005	109.37	147.04	270.29	354.62
2006	106.54	141.79	262.70	341.59
2002-2006 Average	113.51	155.28	281.42	374.90
Net Cash Farm Income ($1000)				
2000	100.26	100.26	290.13	290.13
2001	17.29	74.91	88.01	215.88
2002	23.87	73.86	117.13	224.96
2003	21.58	68.75	124.70	222.04
2004	8.66	59.44	97.54	198.17
2005	-0.63	49.89	91.05	188.24
2006	-16.49	36.44	58.32	156.22
2002-2006 Average	7.40	57.68	97.75	197.93
Prob. of a Cash Flow Deficit (%)				
2002	99.00	83.40	95.00	24.00
2003	99.00	99.00	98.60	37.20
2004	99.00	99.20	98.80	70.20
2005	99.00	99.00	99.60	66.60
2006	99.00	99.00	99.00	82.60
Ending Cash Reserves ($1000)				
2000	18.60	18.60	92.66	92.66
2001	-28.45	11.81	-17.19	78.60
2002	-78.83	1.47	-59.01	94.51
2003	-139.87	-19.60	-109.68	99.07
2004	-230.32	-64.64	-234.00	46.73
2005	-328.40	-113.65	-332.47	14.28
2006	-439.95	-171.36	-467.76	-49.69
2002-2006 Average	-243.47	-73.56	-240.58	40.98
Nominal Net Worth ($1000)				
2000	375.19	375.19	599.75	599.75
2001	322.23	362.49	506.43	602.22
2002	266.40	346.70	473.03	626.55
2003	207.71	329.44	441.26	650.01
2004	132.86	301.84	362.39	643.12
2005	54.86	274.86	315.76	662.51
2006	-52.15	223.59	225.07	643.13
2002-2006 Average	121.94	295.28	363.50	645.06
Prob. of Losing Real Net Worth (%)				
2002	1.00	1.00	1.00	1.00
2003	99.00	99.00	78.00	16.00
2004	99.00	93.20	83.80	44.20
2005	99.00	95.00	87.80	33.40
2006	99.00	98.00	94.20	42.00

Table 10. Comparison of the 1996 Farm Program and H.R. 2646 Proposal for Representative Rice Farms in Texas.

	TXR3200 '96 Bill	TXR3200 HR 2646	TXR1650 '96 Bill	TXR1650 HR 2646
Overall Financial Position				
2002-2006 Ranking	Poor	Marginal	Poor	Poor
Total Cash Receipts ($1000)				
2000	1222.79	1222.79	562.85	562.85
2001	1041.33	1172.34	445.58	521.66
2002	1049.34	1167.09	448.29	510.20
2003	1065.68	1168.13	454.85	508.25
2004	1069.93	1170.65	458.39	510.89
2005	1081.19	1170.87	462.22	508.62
2006	1087.28	1171.33	488.41	534.04
2002-2006 Average	1070.68	1169.61	462.43	514.40
Government Payments ($1000)				
2000	592.80	592.80	300.31	300.31
2001	365.12	496.08	170.69	246.73
2002	345.36	472.88	161.87	227.84
2003	319.47	431.37	151.09	208.36
2004	315.31	424.92	150.14	206.29
2005	302.03	399.81	144.61	194.35
2006	292.50	384.05	147.83	196.70
2002-2006 Average	314.94	422.61	151.11	206.71
Net Cash Farm Income ($1000)				
2000	254.23	254.23	101.52	101.52
2001	36.43	167.44	-24.39	51.68
2002	67.33	189.12	-13.40	54.38
2003	72.61	183.36	-16.13	49.28
2004	56.03	170.18	-39.45	31.90
2005	44.50	154.24	-54.25	17.97
2006	20.37	130.74	-47.59	30.85
2002-2006 Average	52.17	165.53	-34.16	36.87
Prob. of a Cash Flow Deficit (%)				
2002	91.00	7.80	99.00	99.00
2003	96.40	8.20	99.00	99.00
2004	98.40	56.60	99.00	99.00
2005	99.20	51.80	99.00	99.00
2006	99.60	54.00	99.00	99.00
Ending Cash Reserves ($1000)				
2000	90.39	90.39	32.92	32.92
2001	15.95	118.10	-61.58	12.58
2002	-29.30	143.33	-148.16	-7.23
2003	-73.34	164.68	-240.15	-34.74
2004	-155.16	161.87	-380.19	-101.88
2005	-227.74	164.25	-540.12	-188.14
2006	-312.27	161.69	-692.55	-260.92
2002-2006 Average	-159.56	159.17	-400.23	-118.58
Nominal Net Worth ($1000)				
2000	716.17	716.17	561.24	561.24
2001	651.15	753.29	450.58	524.74
2002	625.65	798.27	348.86	489.79
2003	601.73	844.27	245.25	452.07
2004	561.61	888.92	98.25	379.76
2005	536.03	944.34	-53.79	303.28
2006	479.36	975.55	-297.65	133.98
2002-2006 Average	560.88	890.27	68.18	351.78
Prob. of Losing Real Net Worth (%)				
2002	1.00	1.00	1.00	1.00
2003	66.40	2.00	99.00	99.00
2004	77.40	7.40	99.00	99.80
2005	77.40	6.20	99.00	99.00
2006	85.40	8.20	99.00	99.00

Table 11. Comparison of the 1996 Farm Program and H.R. 2646 Proposal for Representative Rice Farms in Louisiana.

	LANR2500 '96 Bill	LANR2500 HR 2646	LAR1200 '96 Bill	LAR1200 HR 2646
Overall Financial Position				
2002-2006 Ranking	Poor	Poor	Poor	Poor
Total Cash Receipts ($1000)				
2000	1060.71	1060.71	387.61	387.61
2001	932.05	1017.19	334.35	368.64
2002	944.72	1039.56	338.98	380.01
2003	963.62	1049.40	345.96	382.29
2004	968.04	1051.68	349.73	385.41
2005	985.56	1061.89	355.82	388.19
2006	1001.55	1073.09	358.86	389.52
2002-2006 Average	972.70	1055.12	349.87	385.08
Government Payments ($1000)				
2000	424.10	424.10	174.12	174.12
2001	257.10	342.27	108.77	143.03
2002	246.82	347.89	103.51	146.77
2003	229.55	322.13	95.70	134.19
2004	222.83	313.12	93.76	131.55
2005	212.86	295.45	89.84	124.19
2006	203.98	281.16	86.96	119.47
2002-2006 Average	223.21	311.95	93.95	131.24
Net Cash Farm Income ($1000)				
2000	140.23	140.23	72.27	72.27
2001	-8.85	76.28	11.29	45.57
2002	-1.36	99.10	15.04	58.44
2003	-3.76	95.54	14.58	56.96
2004	-31.18	74.06	1.29	47.46
2005	-43.50	62.57	-4.02	43.22
2006	-60.76	48.97	-14.69	34.88
2002-2006 Average	-28.11	76.05	2.44	48.19
Prob. of a Cash Flow Deficit (%)				
2002	99.00	99.00	99.00	65.80
2003	99.00	99.00	99.00	99.00
2004	99.00	99.00	99.00	96.00
2005	99.00	99.00	99.00	99.80
2006	99.00	99.00	99.00	99.00
Ending Cash Reserves ($1000)				
2000	43.50	43.50	21.53	21.53
2001	-75.19	9.95	-16.82	18.80
2002	-226.56	-51.38	-66.53	13.06
2003	-371.05	-111.34	-125.02	-1.80
2004	-560.30	-209.29	-209.12	-39.18
2005	-773.33	-326.12	-298.08	-83.77
2006	-969.07	-420.37	-397.49	-133.35
2002-2006 Average	-580.06	-223.70	-219.25	-49.01
Nominal Net Worth ($1000)				
2000	1777.09	1777.09	260.50	260.50
2001	1671.85	1756.99	217.50	253.13
2002	1535.82	1710.98	163.42	243.01
2003	1402.88	1681.30	112.49	236.62
2004	1255.46	1649.00	39.77	211.79
2005	1102.90	1617.61	-28.21	189.40
2006	952.02	1592.64	-112.32	156.32
2002-2006 Average	1249.82	1650.31	35.03	207.43
Prob. of Losing Real Net Worth (%)				
2002	1.00	1.00	1.00	1.00
2003	99.00	92.60	99.00	72.00
2004	99.00	88.20	99.00	90.40
2005	99.00	90.20	99.00	95.60
2006	99.00	91.60	99.00	98.80

Table 12. Comparison of the 1996 Farm Program and H.R. 2646 Proposal for Representative Rice Farms in Arkansas.

	ARR3640 '96 Bill	ARR3640 HR 2646	ARR3000 '96 Bill	ARR3000 HR 2646
Overall Financial Position				
2002-2006 Ranking	Poor	Marginal	Poor	Marginal
Total Cash Receipts ($1000)				
2000	1333.45	1333.45	1370.43	1370.43
2001	1183.36	1302.75	1218.80	1319.97
2002	1200.38	1343.75	1236.69	1383.42
2003	1227.00	1352.95	1263.10	1394.18
2004	1236.26	1359.30	1273.52	1401.89
2005	1257.12	1368.16	1293.75	1411.30
2006	1277.23	1381.52	1312.51	1423.96
2002-2006 Average	1239.60	1361.14	1275.91	1402.95
Government Payments ($1000)				
2000	588.33	588.33	577.78	577.78
2001	385.51	504.79	378.38	479.42
2002	368.16	517.39	360.34	513.00
2003	340.80	472.80	332.02	469.02
2004	330.24	459.36	322.83	457.21
2005	314.55	431.45	306.23	429.60
2006	303.75	413.40	294.95	411.80
2002-2006 Average	331.50	458.88	323.27	456.13
Net Cash Farm Income ($1000)				
2000	431.43	431.43	260.00	260.00
2001	252.26	371.66	91.69	192.86
2002	300.80	447.77	126.55	278.95
2003	324.65	457.89	135.02	279.66
2004	317.51	451.54	113.93	264.66
2005	326.56	453.15	113.73	263.07
2006	324.40	448.86	98.37	250.39
2002-2006 Average	318.78	451.84	117.52	267.35
Prob. of a Cash Flow Deficit (%)				
2002	7.00	2.00	97.80	6.80
2003	12.80	2.20	99.00	45.20
2004	51.40	31.20	99.00	86.00
2005	60.40	36.40	99.00	84.80
2006	53.00	26.80	99.00	77.60
Ending Cash Reserves ($1000)				
2000	189.25	189.25	134.76	134.76
2001	165.43	242.99	40.34	141.33
2002	207.82	354.84	-29.36	187.44
2003	236.05	430.73	-120.99	185.00
2004	225.36	474.65	-270.28	131.79
2005	194.57	505.09	-408.14	82.94
2006	191.12	562.64	-544.08	41.32
2002-2006 Average	210.98	465.59	-274.57	125.70
Nominal Net Worth ($1000)				
2000	3630.30	3630.30	2580.38	2580.38
2001	3644.39	3721.94	2525.14	2626.13
2002	3634.33	3781.31	2456.89	2673.65
2003	3625.30	3862.97	2383.41	2719.33
2004	3626.72	3973.75	2303.14	2773.27
2005	3629.16	4094.80	2264.03	2863.11
2006	3667.08	4249.83	2200.90	2933.38
2002-2006 Average	3636.52	3992.53	2321.68	2792.55
Prob. of Losing Real Net Worth (%)				
2002	1.00	1.00	1.00	1.00
2003	64.40	3.20	96.80	8.00
2004	57.60	5.80	96.20	11.00
2005	54.80	3.40	95.00	5.60
2006	46.40	1.20	95.60	3.40

Table 13. Comparison of the 1996 Farm Program and H.R. 2646 Proposal for Representative Rice Farms in Arkansas.

	ARR1200 '96 Bill	ARR1200 HR 2646	ARR5000 '96 Bill	ARR5000 HR 2646
Overall Financial Position				
2002-2006 Ranking	Poor	Poor	Poor	Marginal
Total Cash Receipts ($1000)				
2000	586.41	586.41	2529.13	2529.13
2001	493.68	555.03	2281.01	2415.77
2002	500.03	557.30	2314.74	2540.90
2003	510.36	560.30	2359.05	2569.04
2004	514.13	562.71	2418.80	2623.03
2005	521.64	565.13	2460.07	2651.10
2006	529.75	570.34	2505.28	2686.41
2002-2006 Average	515.18	563.16	2411.59	2614.10
Government Payments ($1000)				
2000	277.02	277.02	688.54	688.54
2001	168.23	229.54	427.78	562.66
2002	160.81	220.15	418.60	654.75
2003	149.42	201.43	390.97	612.78
2004	145.15	195.87	381.32	597.24
2005	138.80	184.39	362.50	564.95
2006	134.42	176.97	345.39	536.70
2002-2006 Average	145.72	195.76	379.76	593.29
Net Cash Farm Income ($1000)				
2000	150.67	150.67	610.44	610.44
2001	46.30	107.66	299.04	433.80
2002	56.81	118.32	360.19	593.42
2003	55.21	114.46	381.16	607.55
2004	45.55	109.58	387.93	618.44
2005	36.21	100.72	376.72	604.32
2006	21.54	88.78	349.55	577.71
2002-2006 Average	43.06	106.37	371.11	600.29
Prob. of a Cash Flow Deficit (%)				
2002	99.00	71.00	43.20	4.00
2003	99.00	99.00	65.20	16.80
2004	99.00	99.00	71.20	43.20
2005	99.00	99.00	83.60	55.80
2006	99.00	99.00	89.20	63.60
Ending Cash Reserves ($1000)				
2000	53.21	53.21	333.77	333.77
2001	-14.21	47.15	292.96	407.27
2002	-82.47	37.26	292.11	541.29
2003	-170.09	7.12	248.49	608.64
2004	-277.96	-44.51	139.36	621.37
2005	-411.28	-117.71	3.04	603.44
2006	-534.04	-173.28	-171.90	552.71
2002-2006 Average	-295.17	-58.22	102.22	585.49
Nominal Net Worth ($1000)				
2000	1371.70	1371.70	2755.45	2755.45
2001	1307.92	1369.28	2745.04	2859.35
2002	1232.70	1352.42	2757.27	3006.43
2003	1149.51	1337.49	2767.17	3148.94
2004	1071.47	1329.42	2767.46	3298.62
2005	989.95	1322.40	2776.95	3455.34
2006	887.46	1301.17	2723.11	3553.95
2002-2006 Average	1066.22	1328.58	2758.39	3292.66
Prob. of Losing Real Net Worth (%)				
2002	1.00	1.00	1.00	1.00
2003	99.00	86.00	39.40	4.80
2004	99.00	84.00	44.40	5.80
2005	99.00	83.80	42.40	2.20
2006	99.00	90.80	50.40	2.00

Table 14. Comparison of the 1996 Farm Program and H.R. 2646 Proposal for Representative Rice Farms in Missouri.

	MOWR4000 '96 Bill	MOWR4000 HR 2646	MOER4000 '96 Bill	MOER4000 HR 2646
Overall Financial Position				
2002-2006 Ranking	Poor	Poor	Poor	Marginal
Total Cash Receipts ($1000)				
2000	1780.49	1780.49	1514.48	1514.48
2001	1534.91	1678.18	1365.93	1459.85
2002	1552.19	1735.84	1381.83	1550.25
2003	1574.92	1737.61	1407.87	1562.02
2004	1587.57	1747.48	1438.79	1588.82
2005	1605.58	1751.17	1463.99	1601.89
2006	1615.91	1753.85	1487.72	1614.70
2002-2006 Average	1587.23	1745.19	1436.04	1583.54
Government Payments ($1000)				
2000	757.38	757.38	525.70	525.70
2001	472.46	615.57	324.28	418.40
2002	449.19	638.79	309.10	486.88
2003	410.35	578.93	287.33	452.83
2004	400.32	566.28	277.18	438.66
2005	377.57	529.15	259.95	408.59
2006	362.04	505.62	245.75	382.19
2002-2006 Average	399.89	563.75	275.86	433.83
Net Cash Farm Income ($1000)				
2000	487.70	487.70	407.96	407.96
2001	203.74	347.02	226.14	320.06
2002	231.19	420.62	265.87	436.16
2003	228.10	404.71	274.84	434.26
2004	186.41	371.16	280.99	440.09
2005	169.72	353.30	278.12	428.93
2006	129.45	319.61	274.61	419.50
2002-2006 Average	188.97	373.88	274.89	431.79
Prob. of a Cash Flow Deficit (%)				
2002	73.00	40.80	58.60	1.00
2003	82.00	55.40	77.20	1.00
2004	94.40	70.40	73.20	27.20
2005	98.60	82.20	90.80	62.80
2006	99.20	88.20	85.20	42.20
Ending Cash Reserves ($1000)				
2000	224.74	224.74	166.02	166.02
2001	85.54	207.42	147.42	208.56
2002	-27.84	238.14	151.10	308.41
2003	-182.47	216.38	134.21	374.08
2004	-432.64	105.83	94.72	419.58
2005	-744.41	-66.61	6.19	411.35
2006	-1075.65	-250.00	-45.88	438.43
2002-2006 Average	-492.60	48.75	68.07	390.37
Nominal Net Worth ($1000)				
2000	4510.01	4510.01	3585.43	3585.43
2001	4433.91	4555.78	3597.45	3658.59
2002	4281.98	4547.89	3550.07	3707.34
2003	4113.73	4570.77	3494.33	3780.74
2004	3926.56	4597.35	3475.71	3906.42
2005	3722.73	4610.52	3430.98	4004.13
2006	3494.14	4605.77	3406.58	4119.68
2002-2006 Average	3907.83	4586.46	3471.53	3903.66
Prob. of Losing Real Net Worth (%)				
2002	1.00	1.00	1.00	1.00
2003	72.80	42.60	92.00	5.20
2004	87.60	42.60	87.20	0.40
2005	92.80	42.00	90.00	0.20
2006	96.20	43.40	89.60	1.00

Table 15. Comparison of the 1996 Farm Program and H.R. 2646 Proposal for Representative Rice Farms in Mississippi.

	MSR4735 '96 Bill	MSR4735 HR 2646
Overall Financial Position		
2002-2006 Ranking	Poor	Poor
Total Cash Receipts ($1000)		
2000	1768.77	1768.77
2001	1609.02	1728.53
2002	1631.52	1786.82
2003	1663.40	1802.95
2004	1687.55	1822.46
2005	1713.70	1837.35
2006	1740.97	1857.24
2002-2006 Average	1687.43	1821.37
Government Payments ($1000)		
2000	633.71	633.71
2001	434.56	553.95
2002	418.14	576.57
2003	388.26	531.45
2004	372.95	511.89
2005	354.61	482.61
2006	340.10	460.37
2002-2006 Average	374.81	512.58
Net Cash Farm Income ($1000)		
2000	156.01	156.01
2001	-28.45	91.06
2002	-0.47	164.74
2003	-10.48	152.17
2004	-48.01	124.85
2005	-77.18	99.68
2006	-127.09	58.40
2002-2006 Average	-52.64	119.97
Prob. of a Cash Flow Deficit (%)		
2002	99.00	90.00
2003	99.00	99.80
2004	99.00	99.00
2005	99.00	99.00
2006	99.00	99.00
Ending Cash Reserves ($1000)		
2000	27.91	27.91
2001	-161.39	-41.88
2002	-328.71	-56.67
2003	-535.19	-126.49
2004	-821.23	-263.28
2005	-1165.12	-449.44
2006	-1541.51	-655.84
2002-2006 Average	-878.35	-310.34
Nominal Net Worth ($1000)		
2000	709.76	709.76
2001	514.53	634.04
2002	365.22	637.26
2003	191.34	600.08
2004	-27.61	530.41
2005	-262.96	452.82
2006	-569.33	316.49
2002-2006 Average	-60.67	507.41
Prob. of Losing Real Net Worth (%)		
2002	1.00	1.00
2003	99.00	84.40
2004	99.00	88.00
2005	99.00	95.60
2006	99.00	98.20

Appendix A:
Characteristics of Panel Farms Producing Rice

CAR424

A 424-acre Sacramento Valley California (Sutter and Yuba Counties) moderate size rice farm that plants 400 acres of rice. The farm generates 97.8 percent of its gross receipts from rice.

CAR2365

A 2,365-acre Sacramento Valley (Sutter and Yuba Counties) large rice farm that plants 2,240 acres of rice and generates 98 percent of its gross receipts from rice.

CAR1000

A 1,000-acre rice farm (Butte County) that harvests 1,000 acres of rice. Rice accounts for 99.5 percent of the farm's gross receipts.

CAR1420

A 1,420-acre rice farm (Colusa County) that harvests 1,420 acres of rice. 99.9 percent of the farm's gross receipts are from rice.

TXR1553

A 1,553-acre Eagle Lake, Texas (Wharton County) moderate rice farm that harvests 450 acres of first crop rice and 405 acres of ratoon rice. This farm generates 97.5 percent of its gross receipts from rice.

TXR3774

A 3,774-acre Eagle Lake, Texas (Wharton County) large rice farm that harvests 1,589 acres of first crop rice and 1,351 acres of ratoon rice. Rice accounts for 98.2 percent of the farm's gross receipts.

TXR3200

A 3,200-acre El Campo, Texas (Wharton County) rice farm that harvests 1,280 acres of first crop rice, 1,024 acres of second crop rice, 160 acres of sorghum and 160 acres of soybeans. Rice accounts for approximately 98.2 percent of the farm's gross receipts.

TXR1650

A 1,650-acre Bay City, Texas (Matagorda County) that harvests 550 acres of first crop rice and 475 acres of ratoon rice.

Appendix Table A1. Characteristics of Panel Farms Producing Rice.

	CAR424	CAR2365	CAR1000	CAR1420	TXR1553	TXR3774	TXR3200	TXR1650
Total Cropland	424.	2365.	1000.	1420.	1553.	3774.	3200.	1650.
Acres Owned	212.	769.	230.	412.	129.	0.	320.	110.
Acres Leased	212.	1596.	770.	1008.	1424.	3774.	2880.	1540.
Assets ($1000)								
Total	840.	3324.	1612.	2086.	496.	811.	955.	687.
Real Estate	549.	2182.	783.	1229.	112.	17.	317.	169.
Machinery	270.	1016.	797.	858.	365.	701.	548.	485.
Other & Livestock	21.	126.	33.	0.	19.	93.	90.	33.
Debt/Asset Ratios								
Total	0.21	0.21	0.29	0.20	0.24	0.26	0.25	0.18
Intermediate	0.22	0.24	0.38	0.19	0.26	0.26	0.28	0.18
Long Run	0.20	0.20	0.20	0.20	0.19	0.19	0.19	0.19
2000 Gross Receipts ($1,000)*								
Total	347.8	2038.1	849.9	1124.4	429.6	1082.6	1222.8	562.9
Rice	340.3	1998.1	845.9	1123.4	418.8	1062.6	1201.0	562.9
	97.8%	98.0%	99.5%	99.9%	97.5%	98.2%	98.2%	100.0%
Sorghum	0.0	0.0	0.0	0.0	0.0	0.0	21.8	0.0
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.0%
Other Receipts	7.5	40.0	4.0	1.0	10.7	20.0	0.0	0.0
	2.2%	2.0%	0.5%	0.1%	2.5%	1.8%	0.0%	0.0%
2000 Planted Acres**								
Total	400.0	2240.0	1000.0	1278.0	855.0	2940.0	2624.0	1025.0
Rice	400.0	2240.0	1000.0	1278.0	855.0	2940.0	2464.0	1025.0
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	93.9%	100.0%
Sorghum	0.0	0.0	0.0	0.0	0.0	0.0	160.0	0.0
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.1%	0.0%

* Receipts for 2000 are included to indicate the relative importance of each enterprise to the farm. Percents indicate the percentage of the total receipts accounted for by the livestock categories and the crops.

** Acreages for 2000 are included to indicate the relative importance of each enterprise to the farm. Total planted acreage may exceed total cropland available due to double cropping. Percents indicate the percentage of total planted acreage accounted for by the crop.

Appendix A:
Characteristics of Panel Farms Producing Rice (Continued)

LANR2500

A 2,500-acre Northeast Louisiana (Richland Parish) rice farm harvesting 1,000 acres of rice with 750 acres of soybeans, 325 acres of cotton, 100 acres of sorghum and 200 acres of corn. Rice generates 63.4 percent of the farm's gross receipts.

LAR1200

A 1,200-acre Southwest Louisiana (Jefferson Davis, Acadia and Vermilion Parishes) moderate size rice farm that harvests 660 acres of rice, 324 acres of soybeans and 210 acres of fallow. This farm generates 85 percent of its gross receipts from rice.

ARR3640

A 3,640-acre Stuttgart, Arkansas (Arkansas County) large rice farm with 122 acres of medium grain rice, 1,620 acres of long grain rice, 883 acres of soybeans, 615 acres of wheat and double-cropped soybeans. About 73.9 percent of this farm's gross receipts are generated by rice.

ARR3000

A 3,000-acre Hoxie, Arkansas (Lawrence County) rice farm that harvests 225 acres of medium grain rice, 1,275 acres of long grain rice, 1,256 acres of irrigated soybeans, 94 acres of dry soybeans and 150 acres of wheat. Rice accounts for about 78 percent of gross receipts.

ARR1200

A 1,200-acre Wynne, Arkansas (Cross County) rice farm that harvests 600 acres of long grain rice, 576 acres of irrigated soybeans, 24 acres of dry soybeans and 60 acres of wheat. Approximately 79.3 percent of gross receipts are accounted for by rice.

ARR5000

A 5,000-acre McGhee, Arkansas (Desha County) large rice farm that harvests 1,500 acres of long grain rice, 1,400 acres of irrigated soybeans, 1,800 acres of irrigated cotton and 300 acres of wheat. Cotton and cottonseed make up 50 percent of this farm's gross receipts while rice accounts for 37.2 percent.

MOWR4000

A 4,000-acre Southeastern Missouri (Butler County) large rice farm with 2,000 acres of rice and 2,000 acres of soybeans. Rice generates 71.1 percent of this farm's gross receipts.

MOER4000

A 4,000-acre Southeastern Missouri (Stoddard County) large rice farm with 1,334 acres of long grain, 1,333 acres of soybeans and 1,333 acres of corn. 50 percent of this farm's gross receipts are generated by corn.

MSR4735

A 4,375-acre Mississippi (Tunica County) rice farm that harvests 1,335 acres of long grain rice, 2,700 acres of soybeans and 500 acres of cotton. Rice generates 55.3 percent of this farm's gross receipts.

Appendix Table A2. Characteristics of Panel Farms Producing Rice.

	LANR2500	LAR1200	ARR3640	ARR3000	ARR1200	ARR5000	MOWR4000	MOER4000	MSR4735
Total Cropland	2500.	1200.	3640.	3000.	1200.	5000.	4000.	4000.	4736.
Acres Owned	1250.	50.	1456.	1000.	360.	1000.	2000.	1400.	0.
Acres Leased	1250.	1150.	2184.	2000.	840.	4000.	2000.	2600.	4735.
Assets ($1000)									
Total	2209.	334.	4216.	3263.	1731.	3515.	5800.	4603.	1621.
Real Estate	1355.	73.	2816.	2050.	898.	1652.	3985.	3034.	232.
Machinery	810.	240.	1211.	1060.	762.	1516.	1590.	1403.	1361.
Other & Livestock	43.	22.	189.	153.	71.	347.	225.	166.	28.
Debt/Asset Ratios									
Total	0.20	0.22	0.14	0.21	0.21	0.22	0.22	0.22	0.56
Intermediate	0.21	0.23	0.18	0.25	0.23	0.24	0.29	0.20	0.23
Long Run	0.19	0.19	0.12	0.19	0.19	0.19	0.19	0.23	2.57
2000GrossReceipts($1,000)*									
Total	1060.7	387.6	1333.4	1370.4	586.4	2529.1	1780.7	1514.3	1768.9
Rice	672.2	329.3	985.6	1069.1	465.0	939.9	1265.3	758.7	977.9
	63.4%	85.0%	73.9%	78.0%	79.3%	37.2%	71.1%	50.1%	55.3%
Cotton	164.2	0.0	0.0	0.0	0.0	1264.1	28.0	0.0	269.1
	15.5%	0.0%	0.0%	0.0%	0.0%	50.0%	1.6%	0.0%	15.2%
Wheat	0.0	0.0	104.5	0.0	0.0	0.0	0.0	0.0	12.7
	0.0%	0.0%	7.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%
Corn	72.6	0.0	0.0	28.2	9.4	42.7	54.5	488.4	0.0
	6.8%	0.0%	0.0%	2.1%	1.6%	1.7%	3.1%	32.3%	0.0%
Sorghum	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Soybeans	129.5	43.3	243.3	273.1	112.1	282.5	432.8	267.2	509.2
	12.2%	11.2%	18.2%	19.9%	19.1%	11.2%	24.3%	17.6%	28.8%
Other Receipts	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
2000 Planted Acres**									
Total	2375.0	1044.0	3855.0	3000.0	1260.0	5000.0	4000.0	4000.0	4535.0
Rice	1000.0	660.0	1742.0	1500.0	600.0	1500.0	2000.0	1334.0	1335.0
	42.1%	63.2%	45.2%	50.0%	47.6%	30.0%	50.0%	33.3%	29.4%
Cotton	325.0	0.0	0.0	0.0	0.0	1800.0	0.0	0.0	500.0
	13.7%	0.0%	0.0%	0.0%	0.0%	36.0%	0.0%	0.0%	11.0%
Wheat	0.0	0.0	615.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0%	0.0%	16.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Corn	200.0	0.0	0.0	150.0	60.0	300.0	0.0	1333.0	0.0
	8.4%	0.0%	0.0%	5.0%	4.8%	6.0%	0.0%	33.3%	0.0%
Sorghum	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	4.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Soybeans	750.0	324.0	1498.0	1350.0	600.0	1400.0	2000.0	1333.0	2700.0
	31.6%	31.0%	38.9%	45.0%	47.6%	28.0%	50.0%	33.3%	59.5%
Fallow	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0%	5.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

* Receipts for 2000 are included to indicate the relative importance of each enterprise to the farm. Percents indicate the percentage of the total receipts accounted for by the livestock categories and the crops.

** Acreages for 2000 are included to indicate the relative importance of each enterprise to the farm. Total planted acreage may exceed total cropland available due to double cropping. Percents indicate the percentage of total planted acreage accounted for by the crop.

Figure 1. Proportion of Income from Target Price, AMTA, and Counter Cyclical Payments for Program Crops Under H.R. 2646

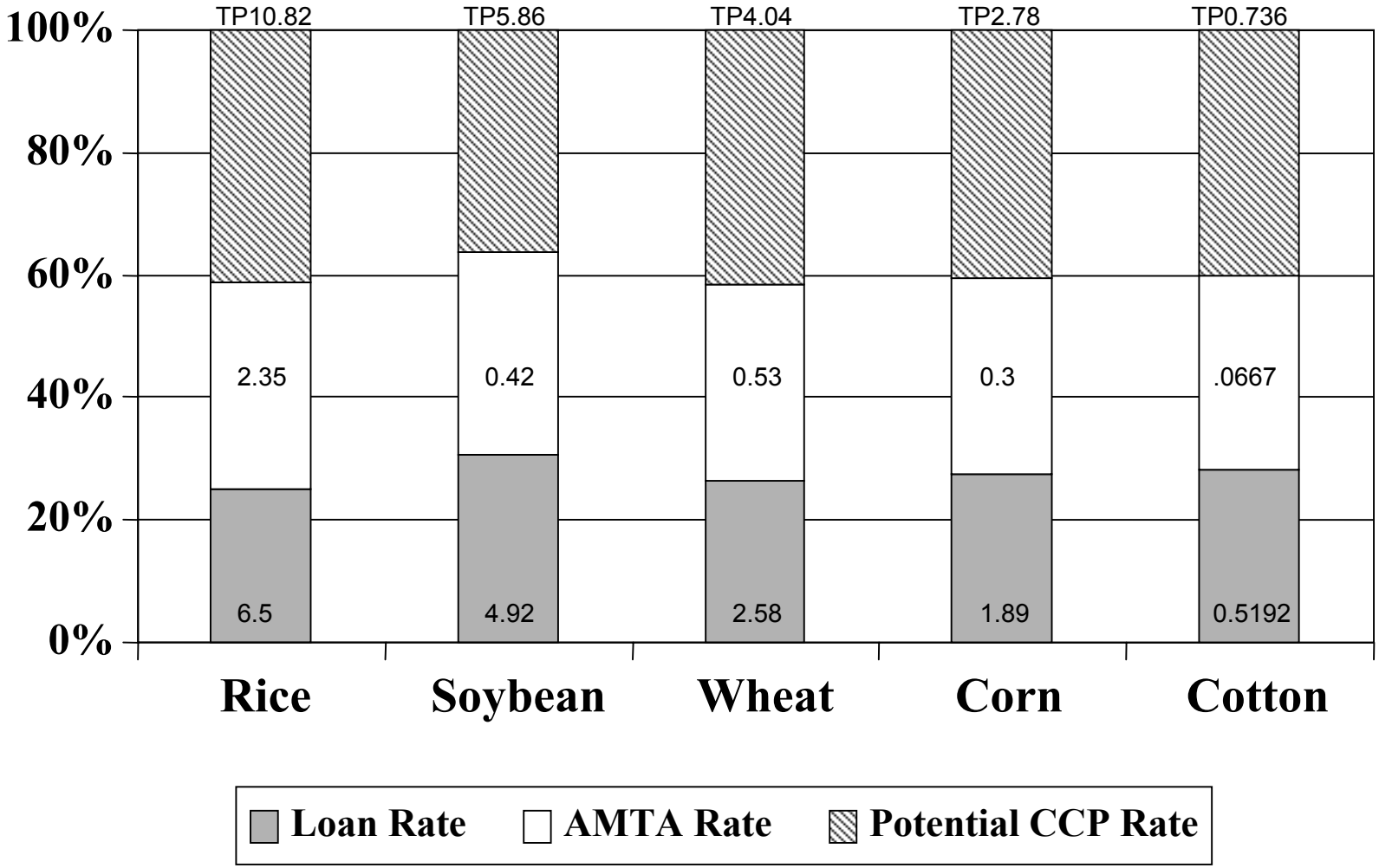

Figure 2. CDF of Average Annual Net Cash Farm Income, 2002-2006, Under FAIR Act Continuation and H.R. 2646 for the CAR424 Representative Rice Farm

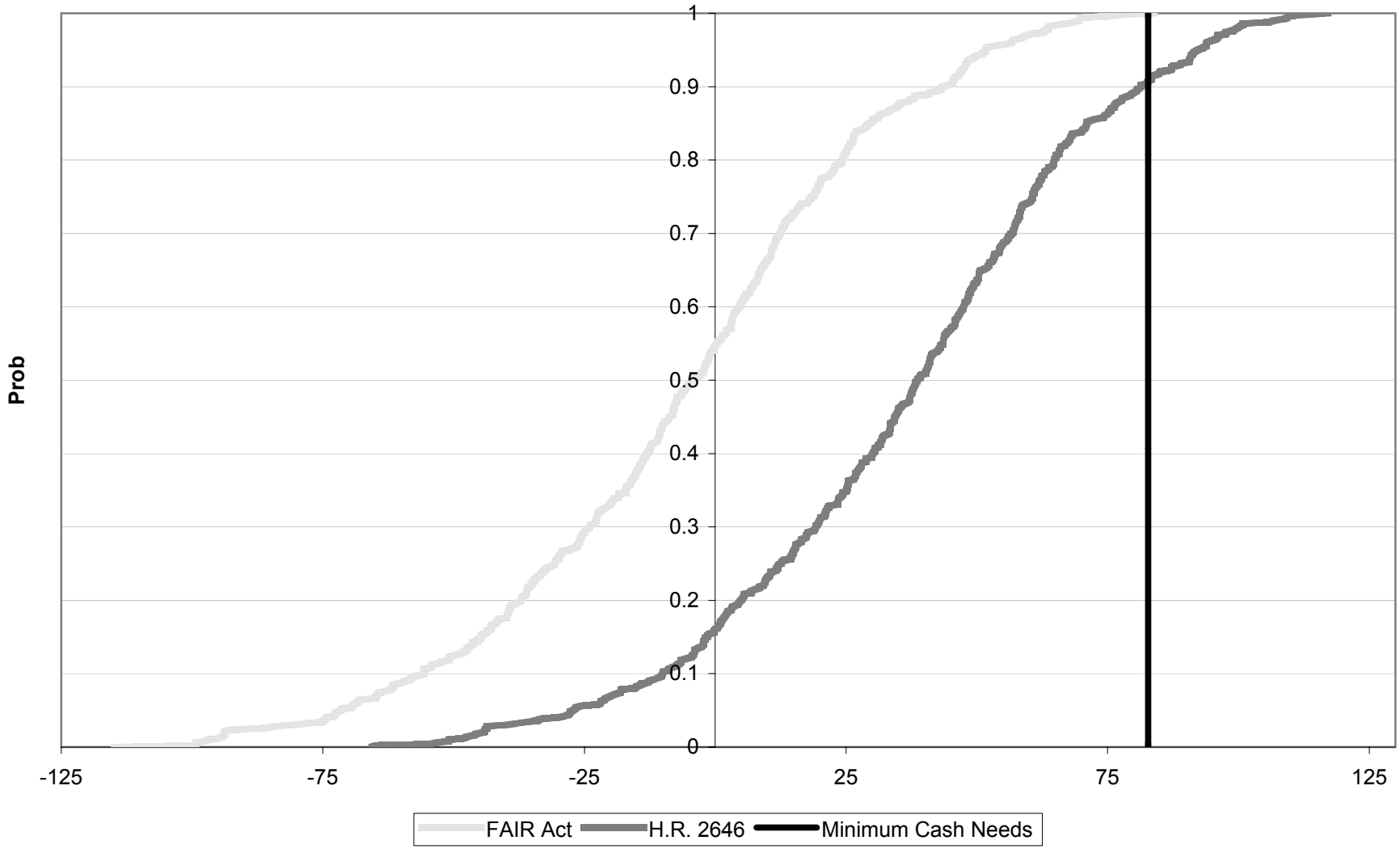

Figure 3. CDF of Average Annual Net Cash Farm Income, 2002-2006, Under FAIR Act Continuation and H.R. 2646 for the CAR2365 Representative Rice Farm

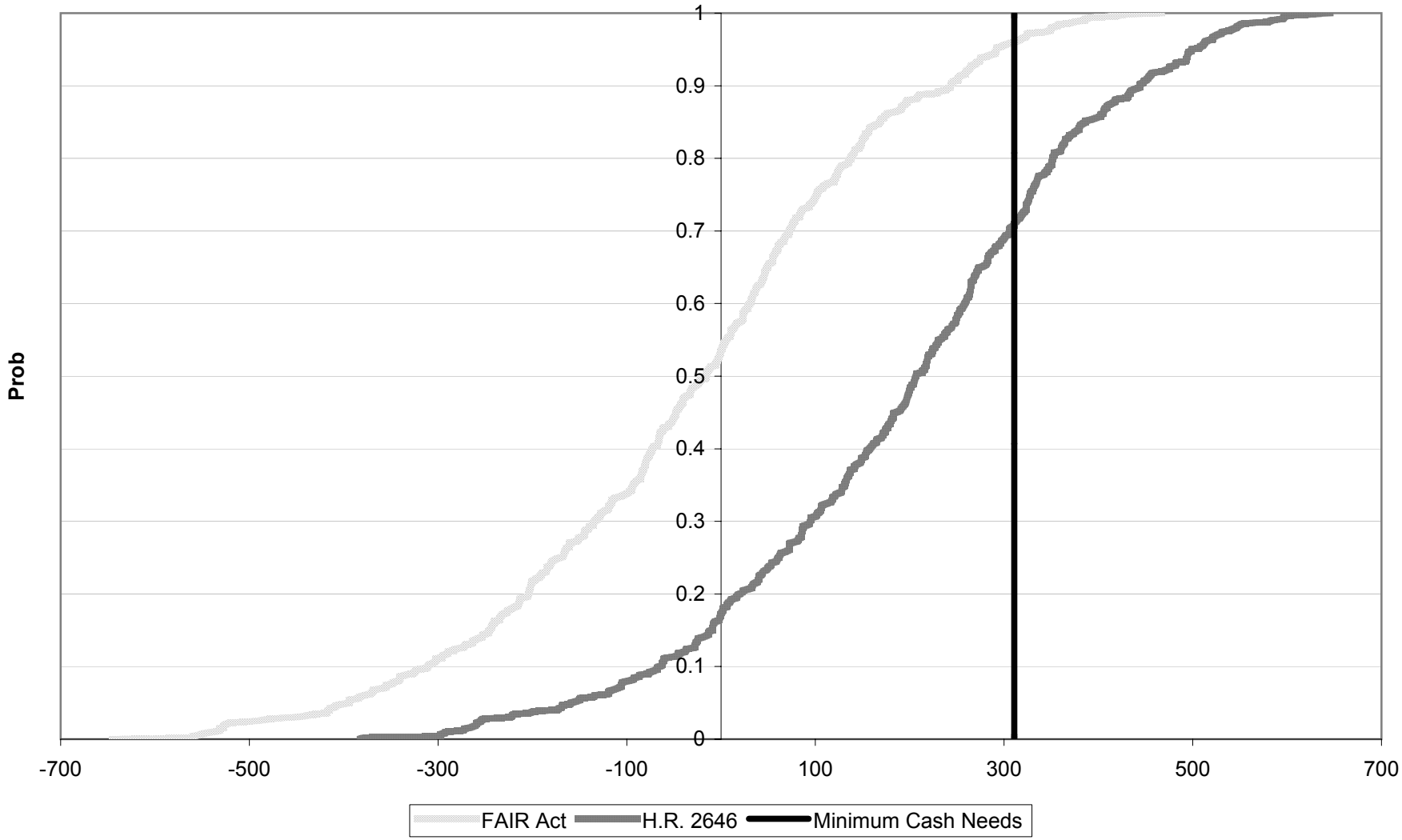

Figure 4. CDF of Average Annual Net Cash Farm Income, 2002-2006, Under FAIR Act Continuation and H.R. 2646 for the CAR1000 Representative Rice Farm

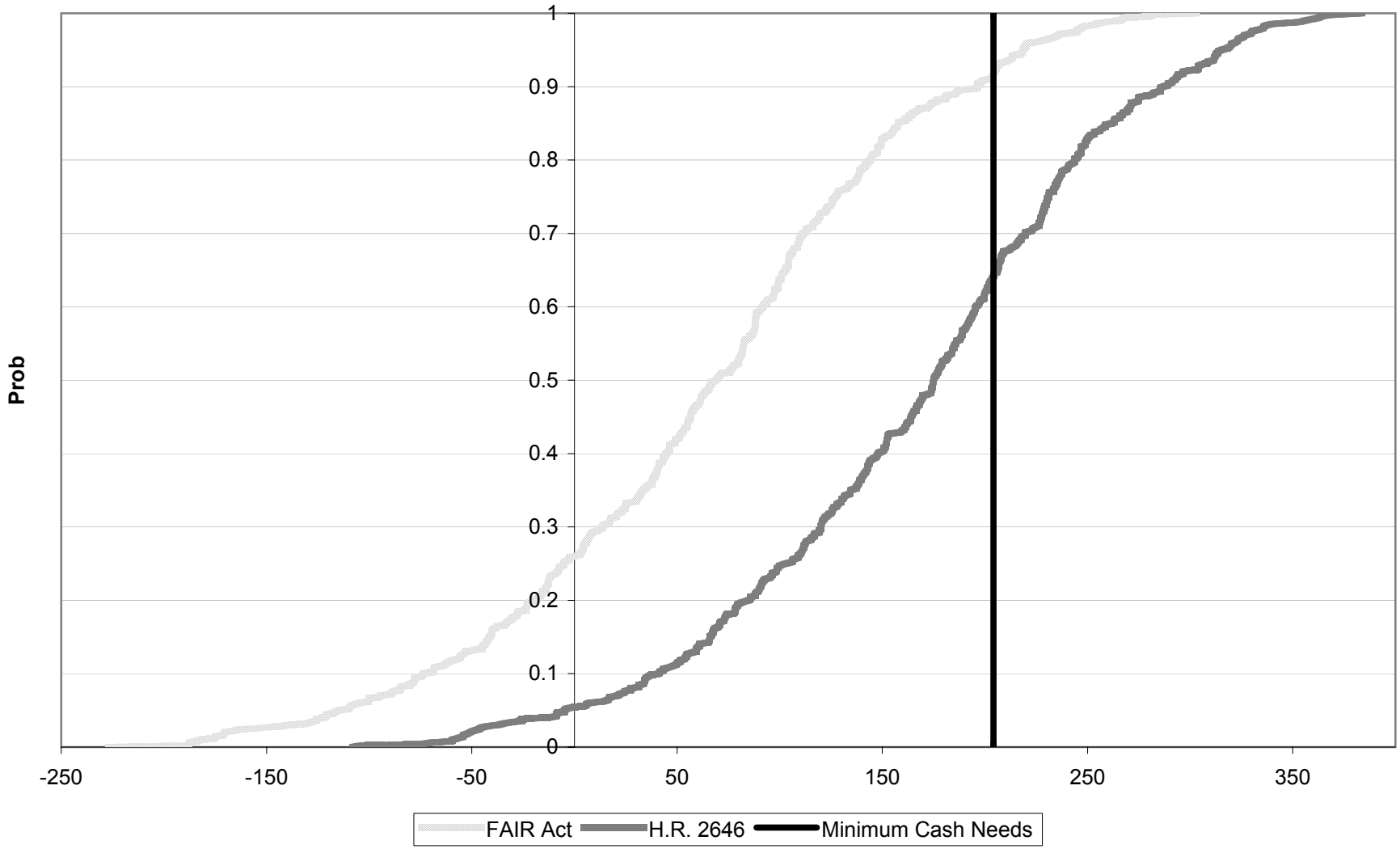

Figure 5. CDF of Average Annual Net Cash Farm Income, 2002-2006, Under FAIR Act Continuation and H.R. 2646 for the CAR1420 Representative Rice Farm

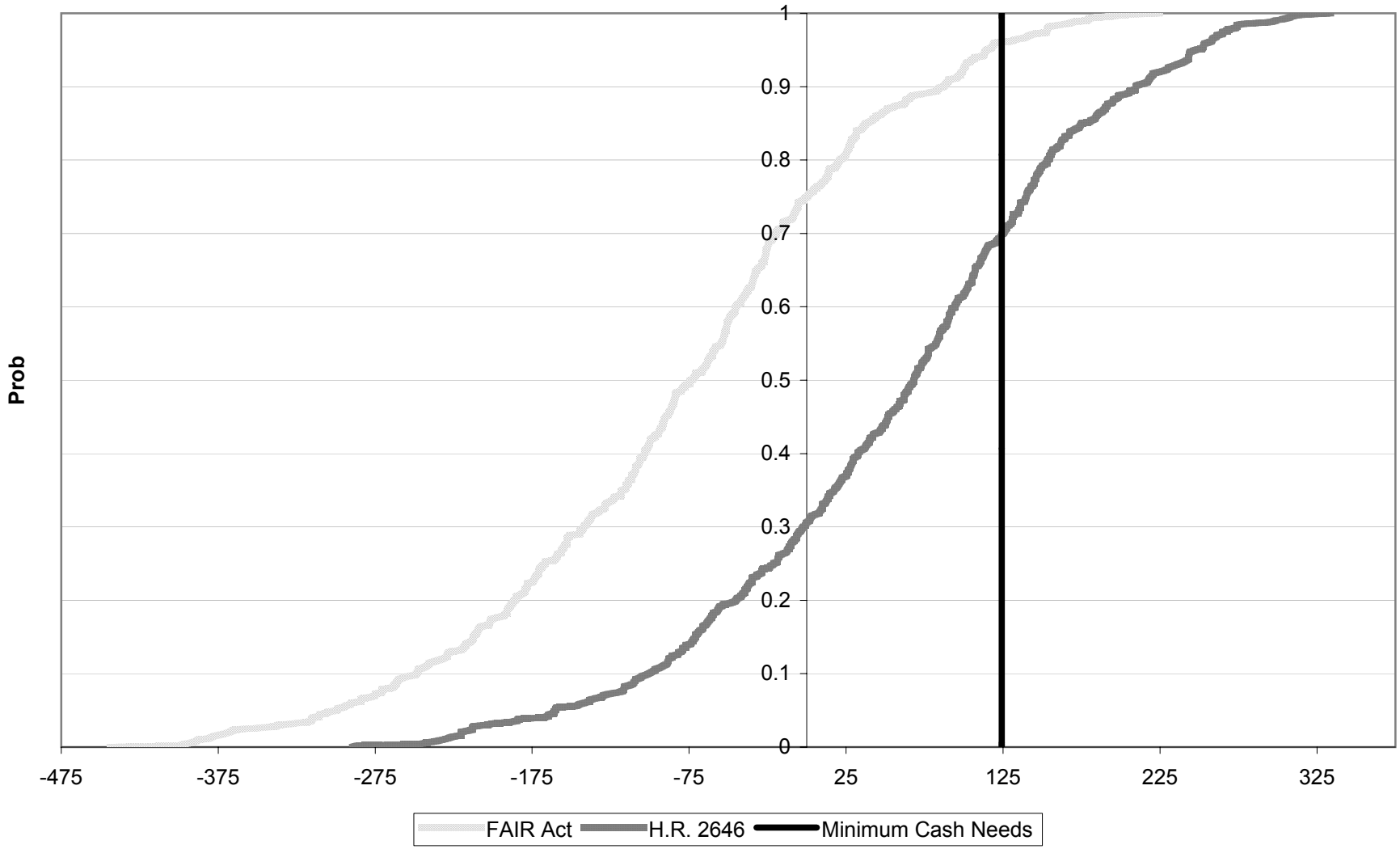

Figure 6. CDF of Average Annual Net Cash Farm Income, 2002-2006, Under FAIR Act Continuation and H.R. 2646 for the TXR1553 Representative Rice Farm

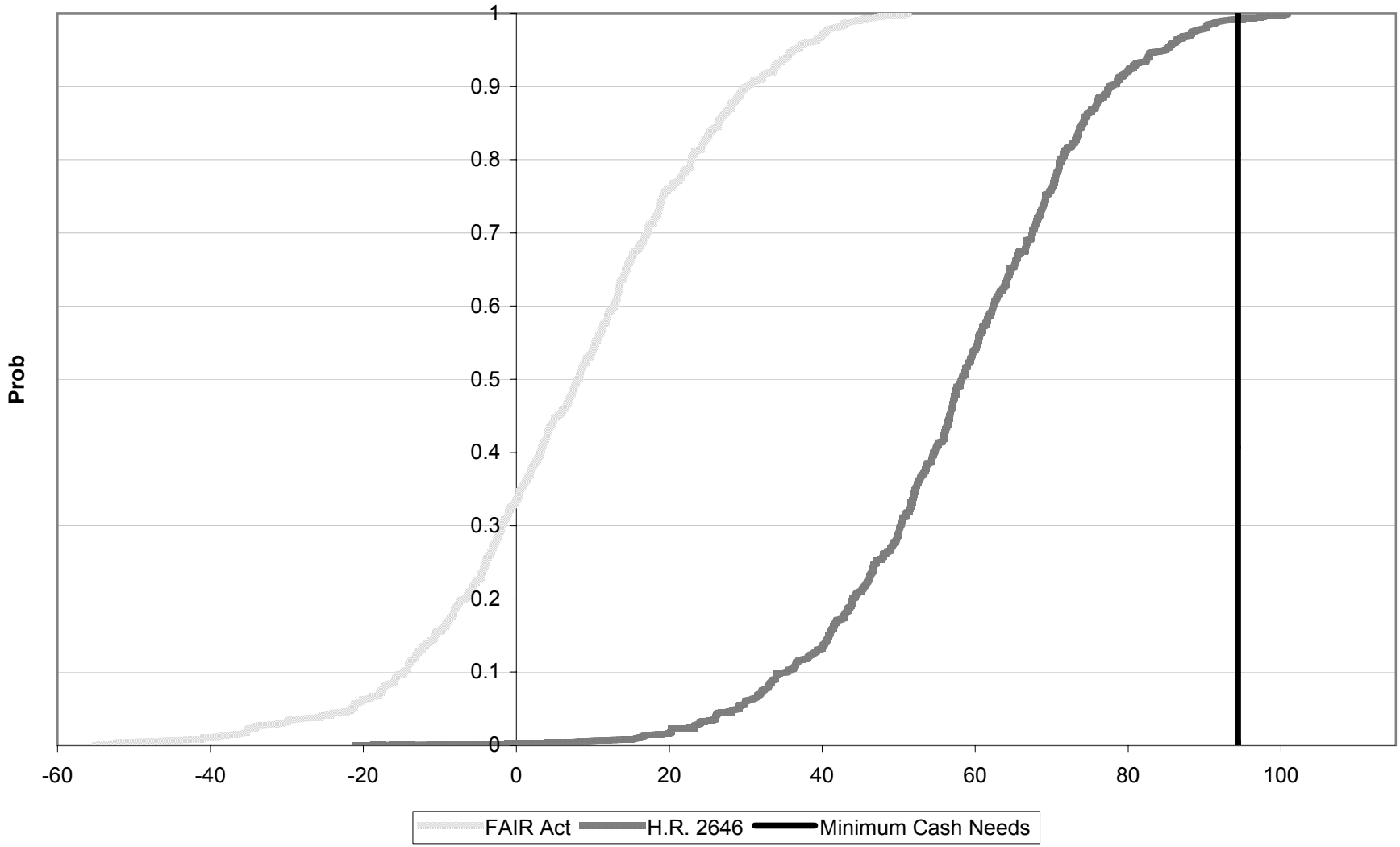

Figure 7. CDF of Average Annual Net Cash Farm Income, 2002-2006, Under FAIR Act Continuation and H.R. 2646 for the TXR3774 Representative Rice Farm

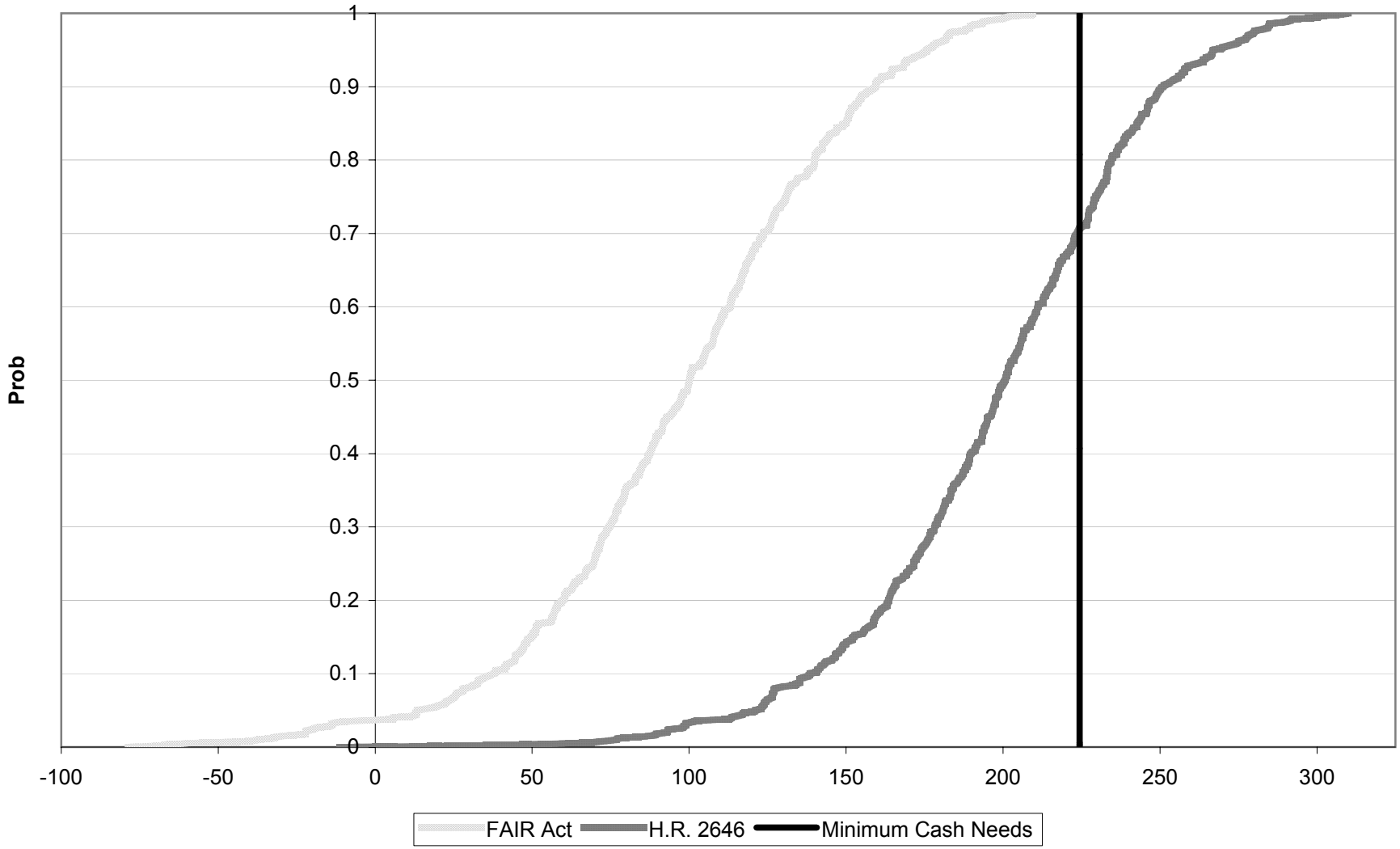

Figure 8. CDF of Average Annual Net Cash Farm Income, 2002-2006, Under FAIR Act Continuation and H.R. 2646 for the TXR3200 Representative Rice Farm

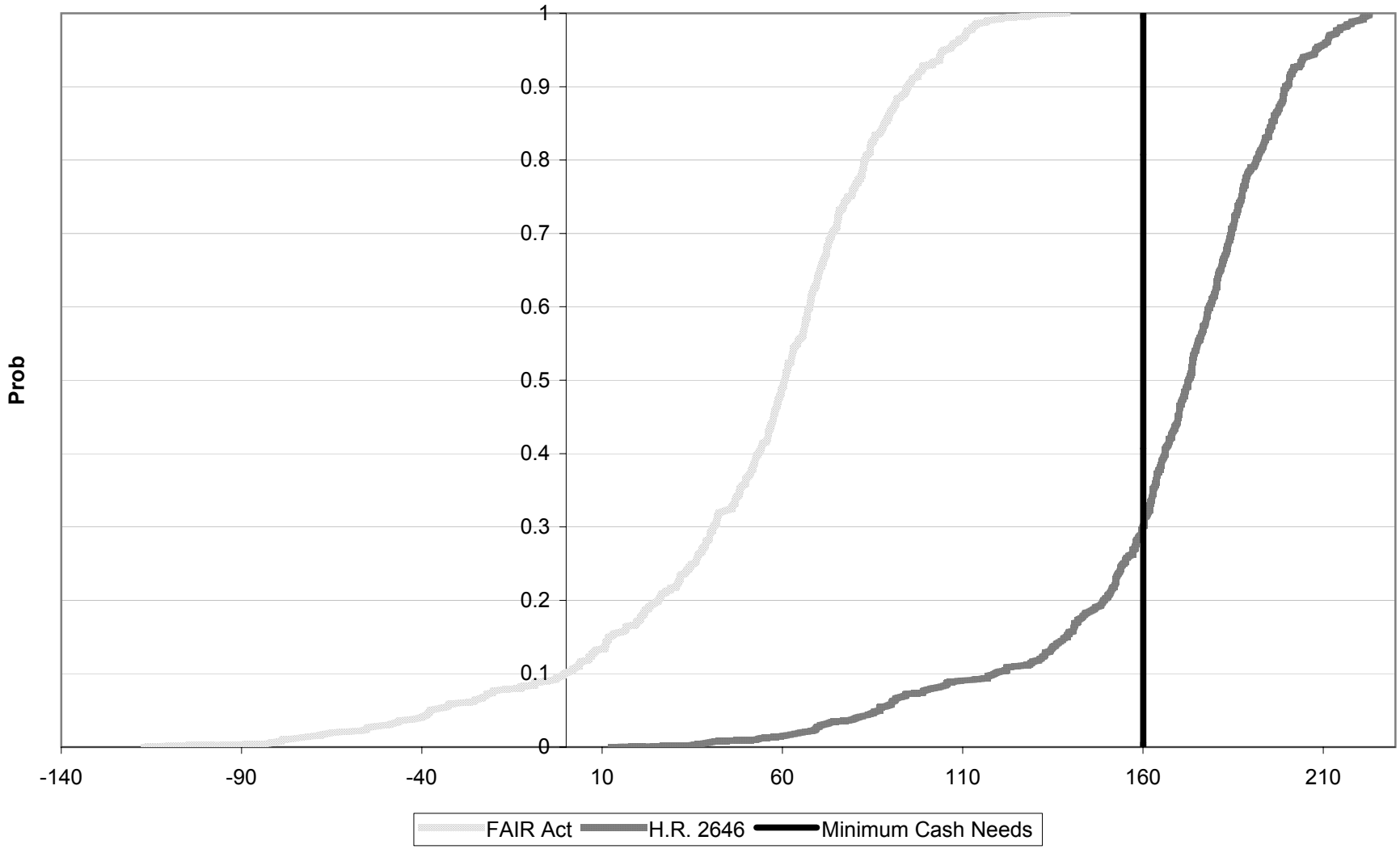

Figure 9. CDF of Average Annual Net Cash Farm Income, 2002-2006, Under FAIR Act Continuation and H.R. 2646 for the TXR1650 Representative Rice Farm

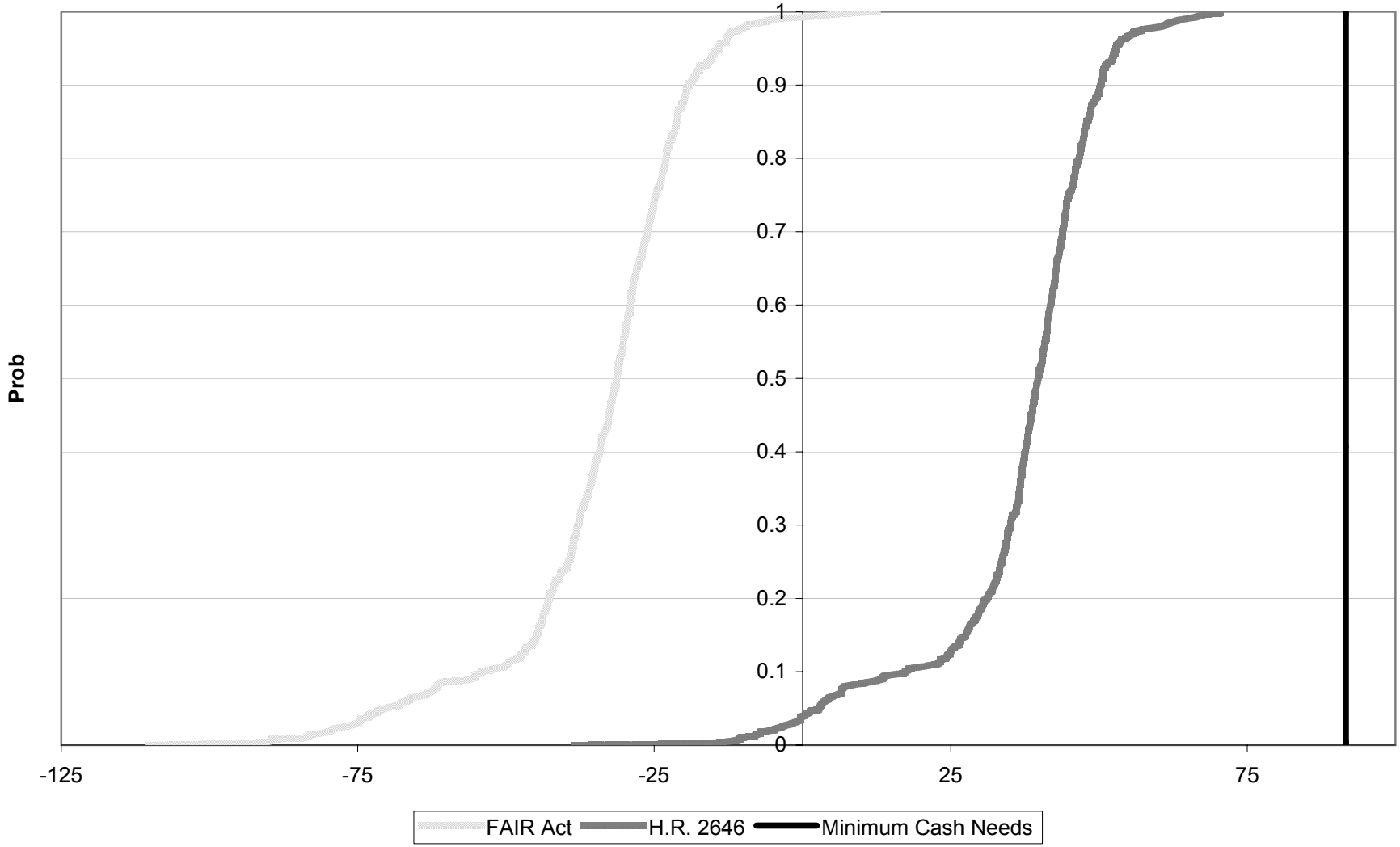

Figure 10. CDF of Average Annual Net Cash Farm Income, 2002-2006, Under FAIR Act Continuation and H.R. 2646 for the LANR2500 Representative Rice Farm

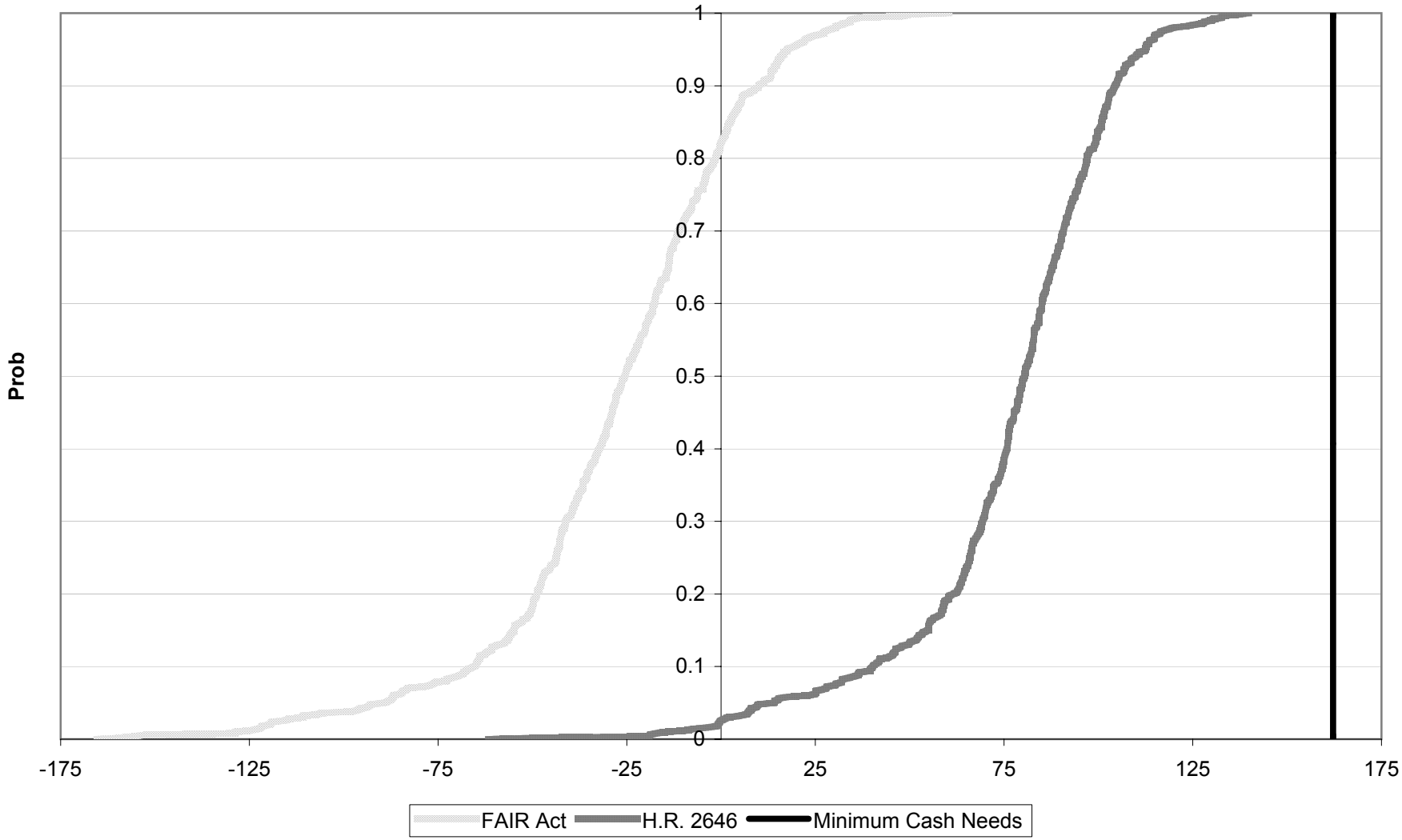

Figure 11. CDF of Average Annual Net Cash Farm Income, 2002-2006, Under FAIR Act Continuation and H.R. 2646 for the LAR1200 Representative Rice Farm

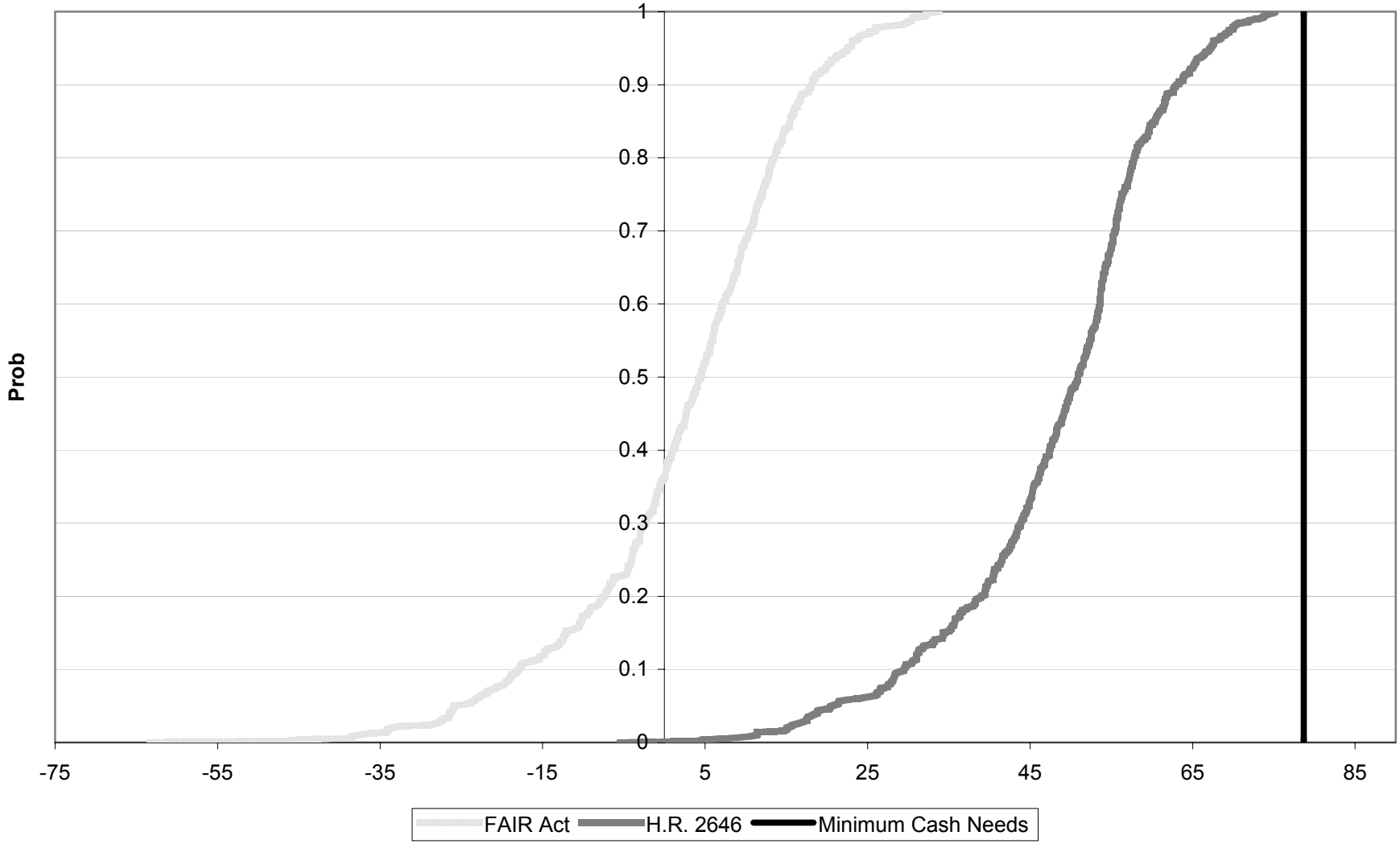

Figure 12. CDF of Average Annual Net Cash Farm Income, 2002-2006, Under FAIR Act Continuation and H.R. 2646 for the ARR3640 Representative Rice Farm

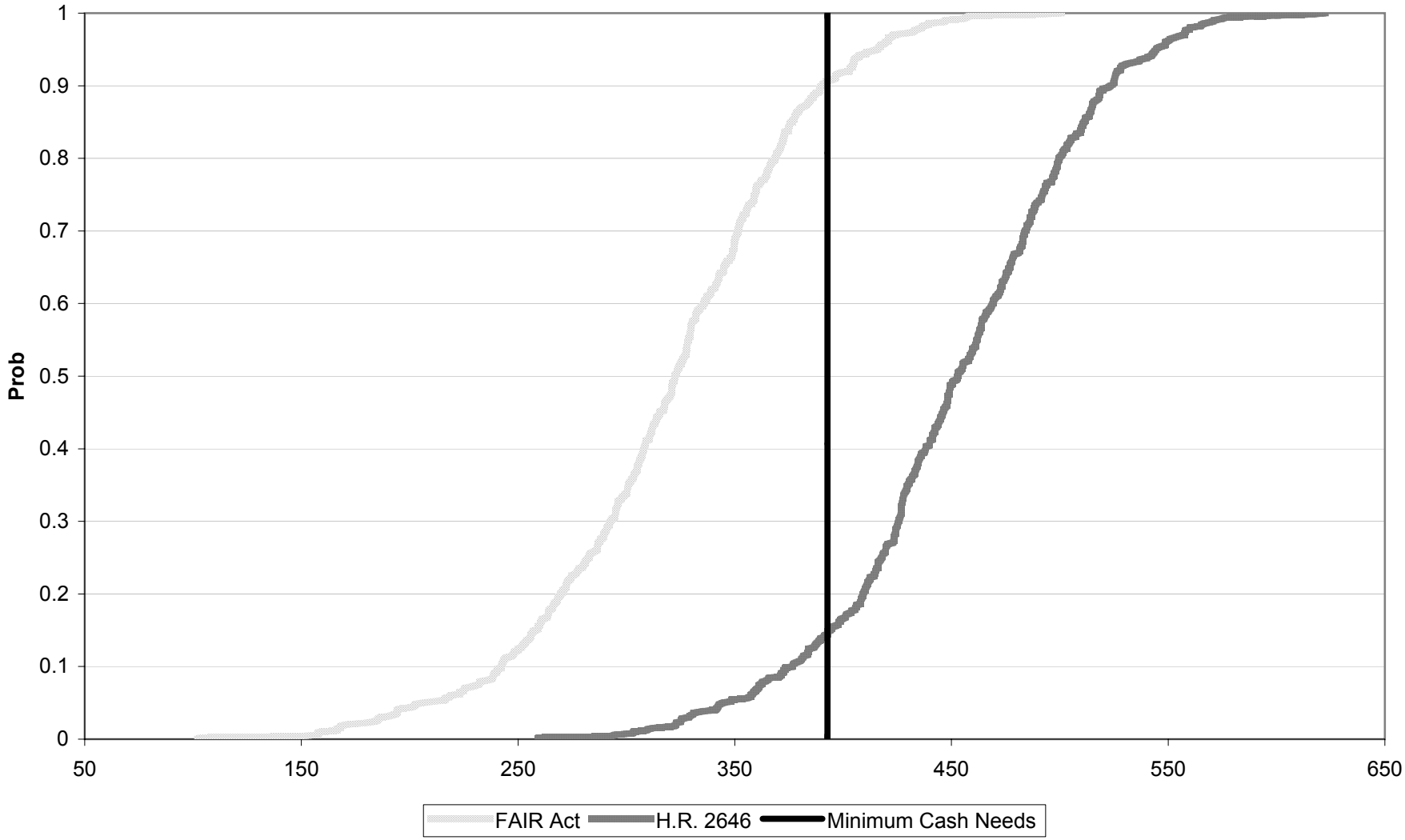

Figure 13. CDF of Average Annual Net Cash Farm Income, 2002-2006, Under FAIR Act Continuation and H.R. 2646 for the ARR3000 Representative Rice Farm

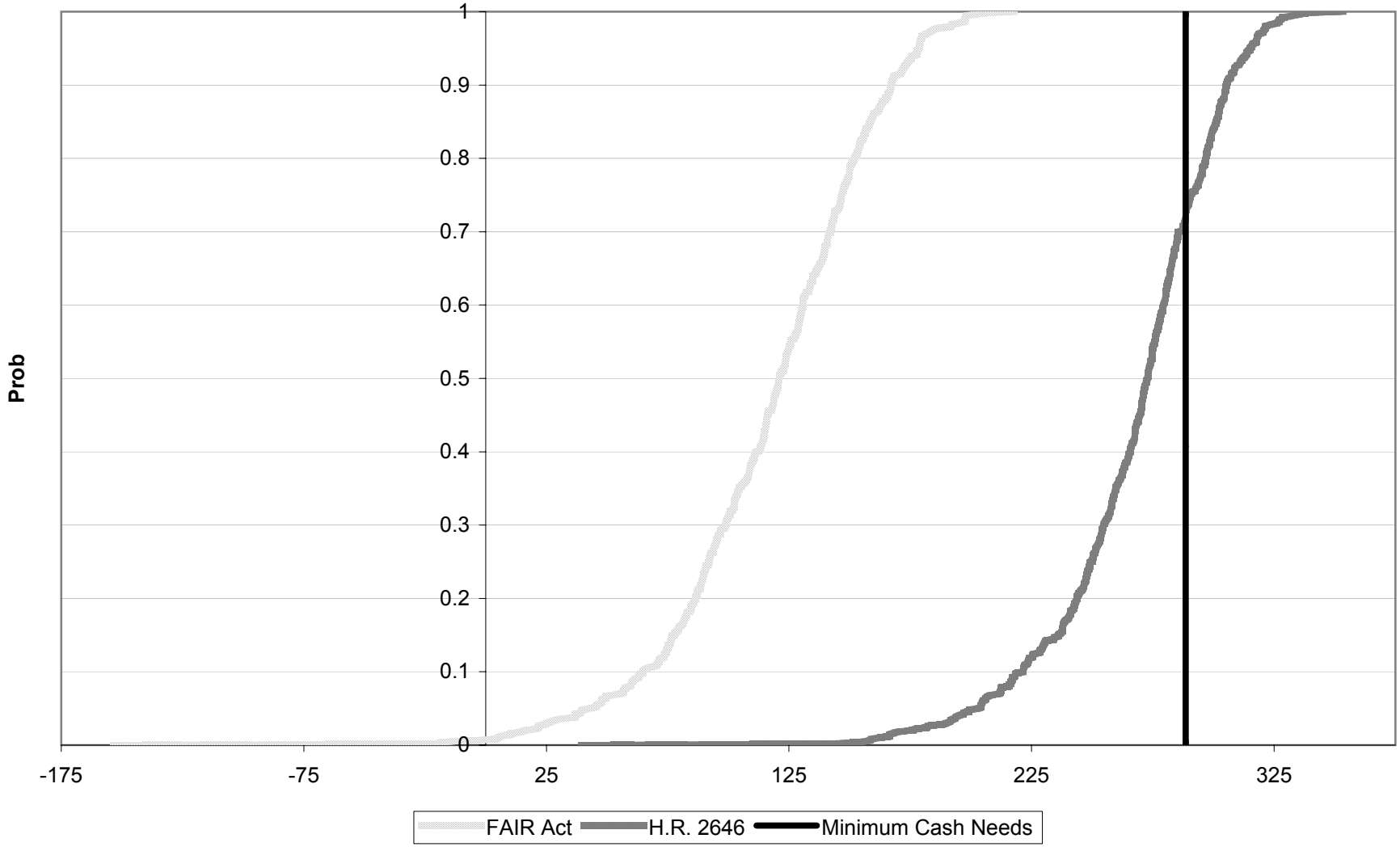

Figure 14. CDF of Average Annual Net Cash Farm Income, 2002-2006, Under FAIR Act Continuation and H.R. 2646 for the ARR1200 Representative Rice Farm

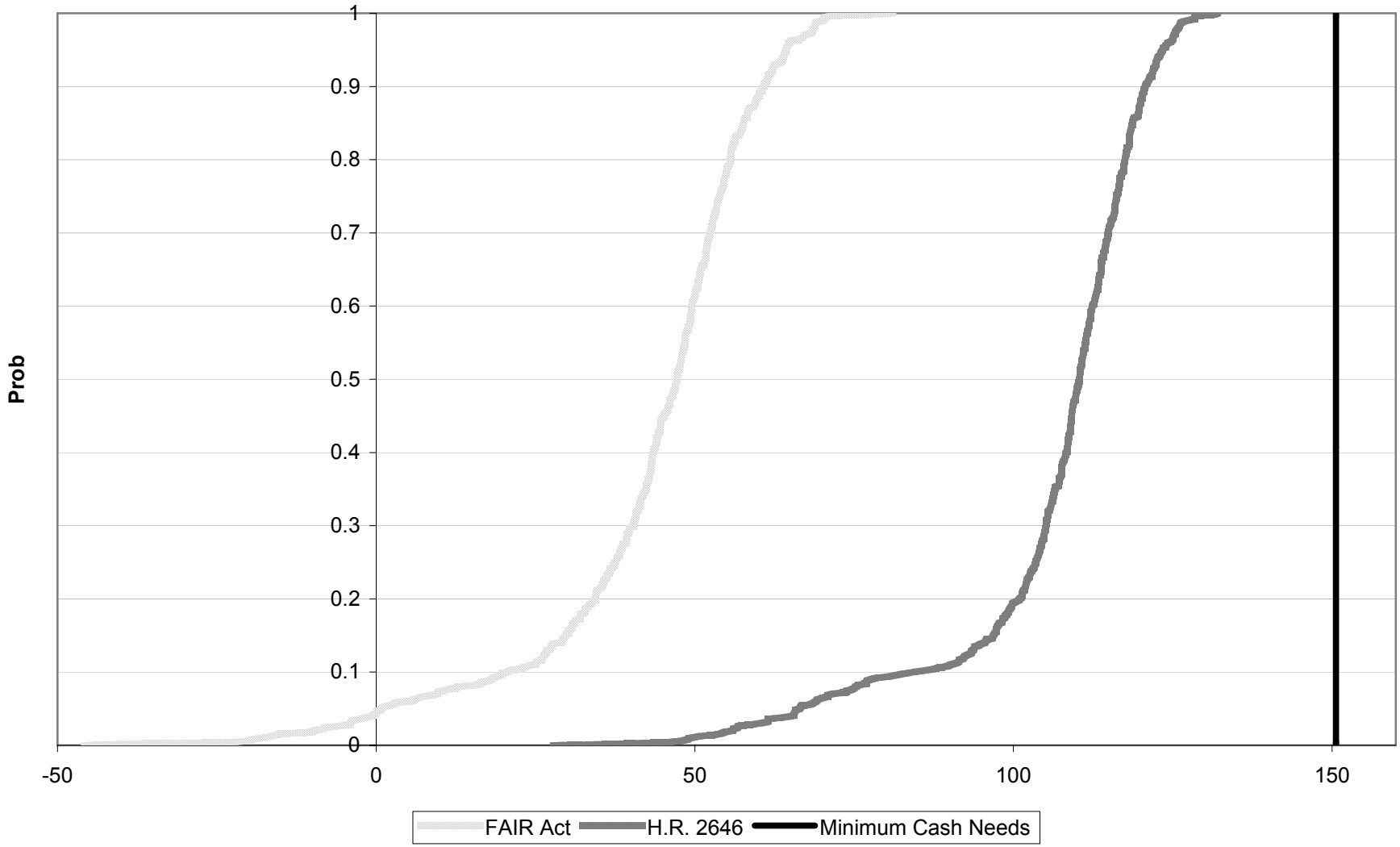

Figure 15. CDF of Average Annual Net Cash Farm Income, 2002-2006, Under FAIR Act Continuation and H.R. 2646 for the ARR5000 Representative Rice Farm

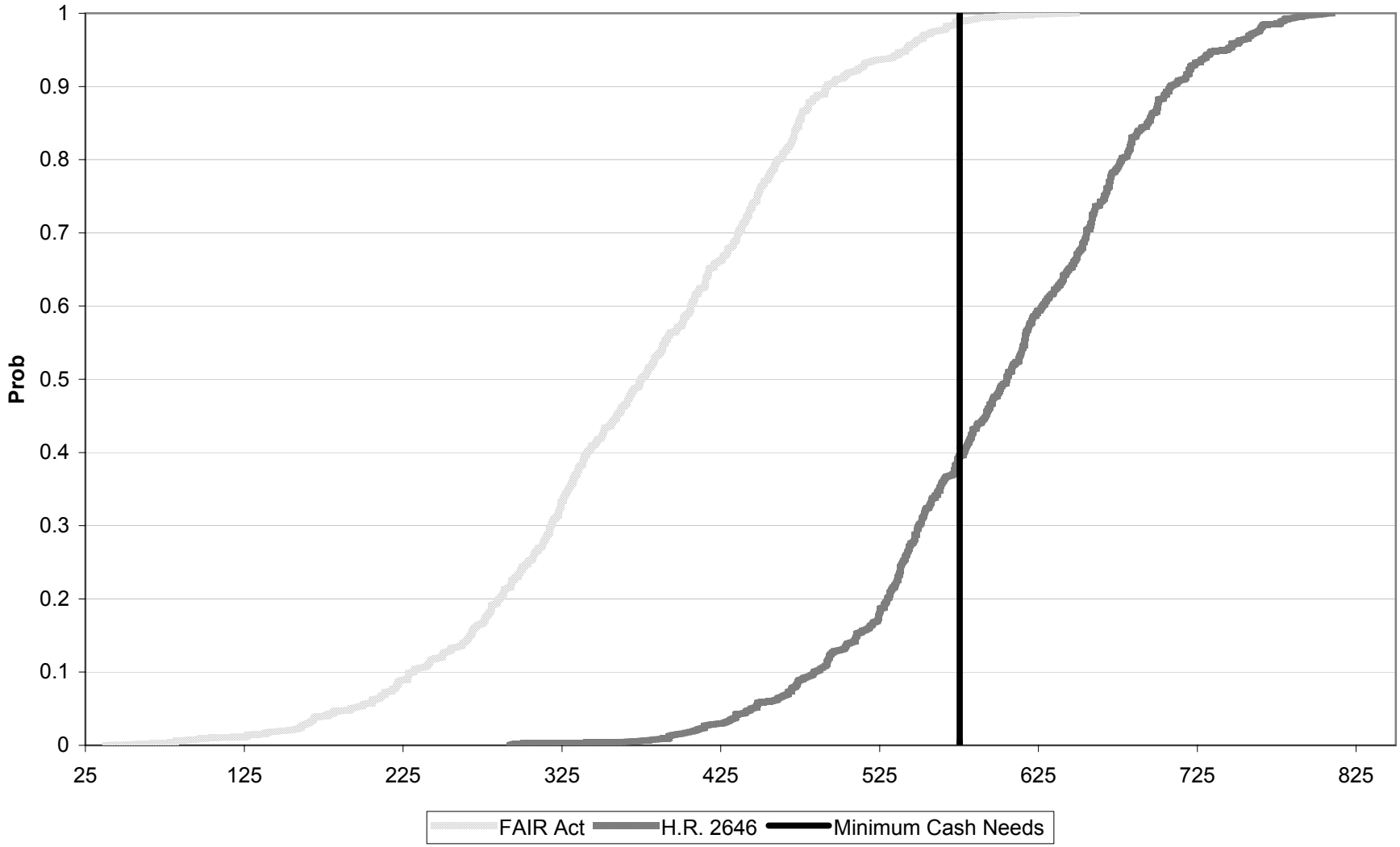

Figure 16. CDF of Average Annual Net Cash Farm Income, 2002-2006, Under FAIR Act Continuation and H.R. 2646 for the MOWR4000 Representative Rice Farm

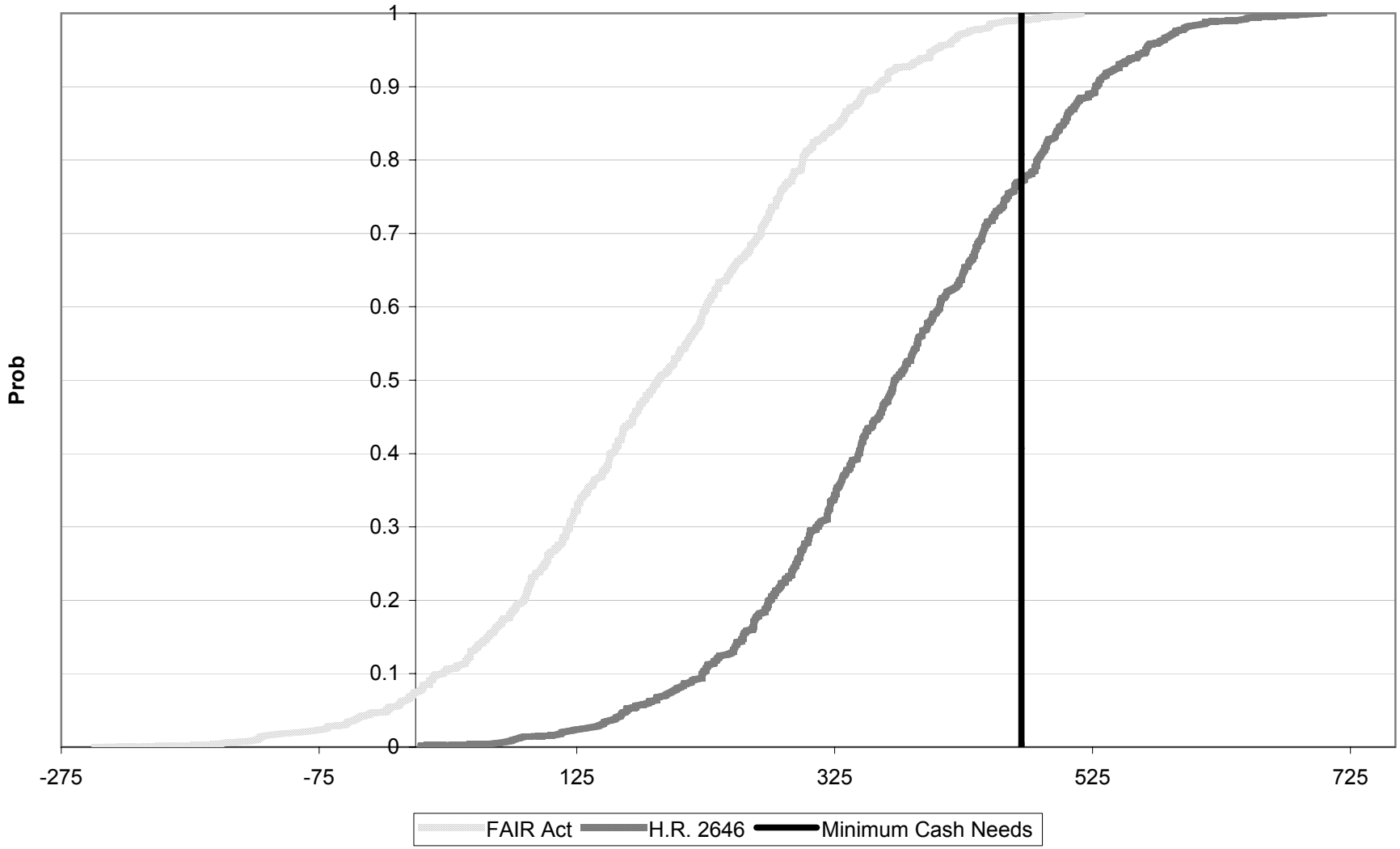

Figure 17. CDF of Average Annual Net Cash Farm Income, 2002-2006, Under FAIR Act Continuation and H.R. 2646 for the MOER4000 Representative Rice Farm

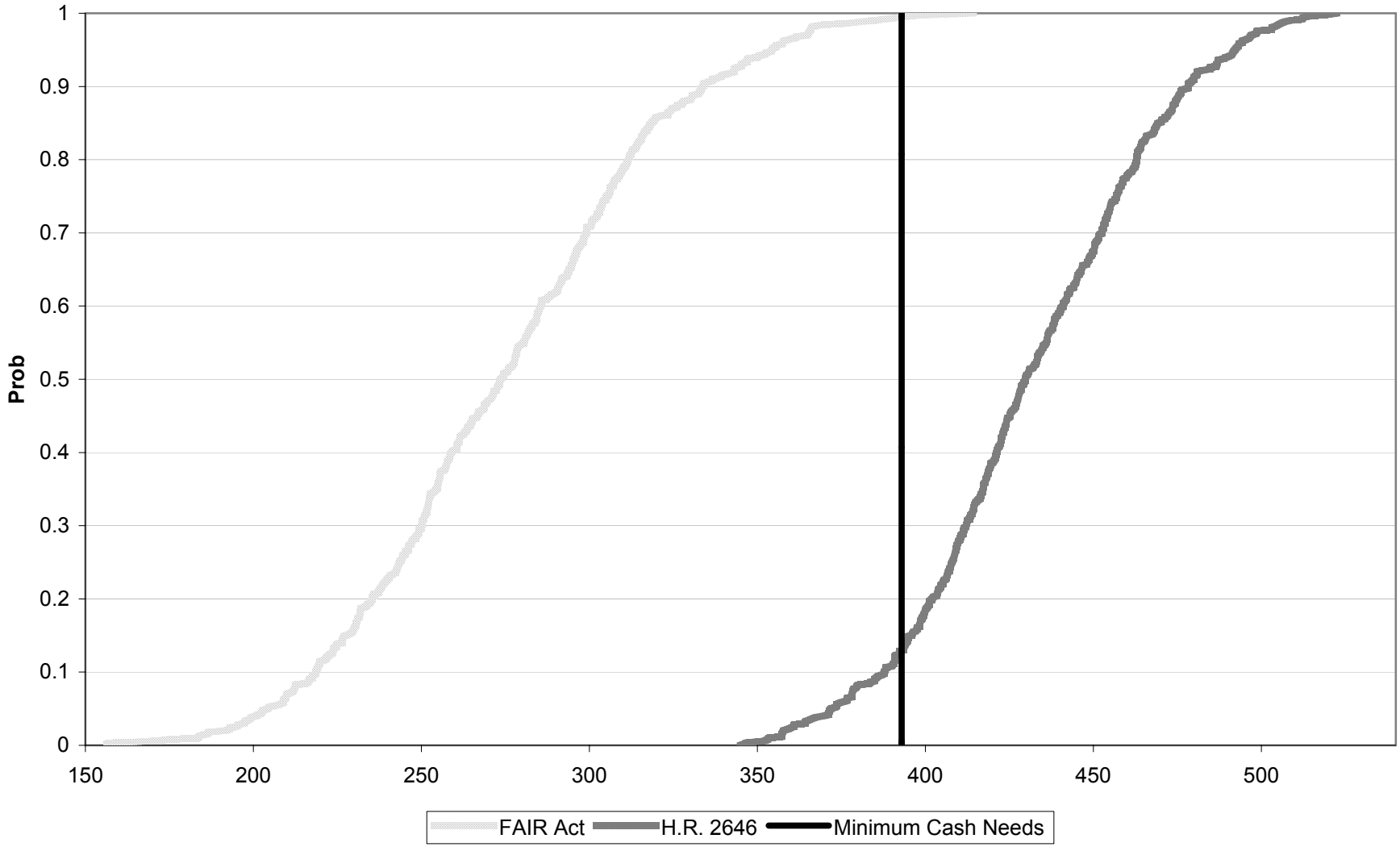
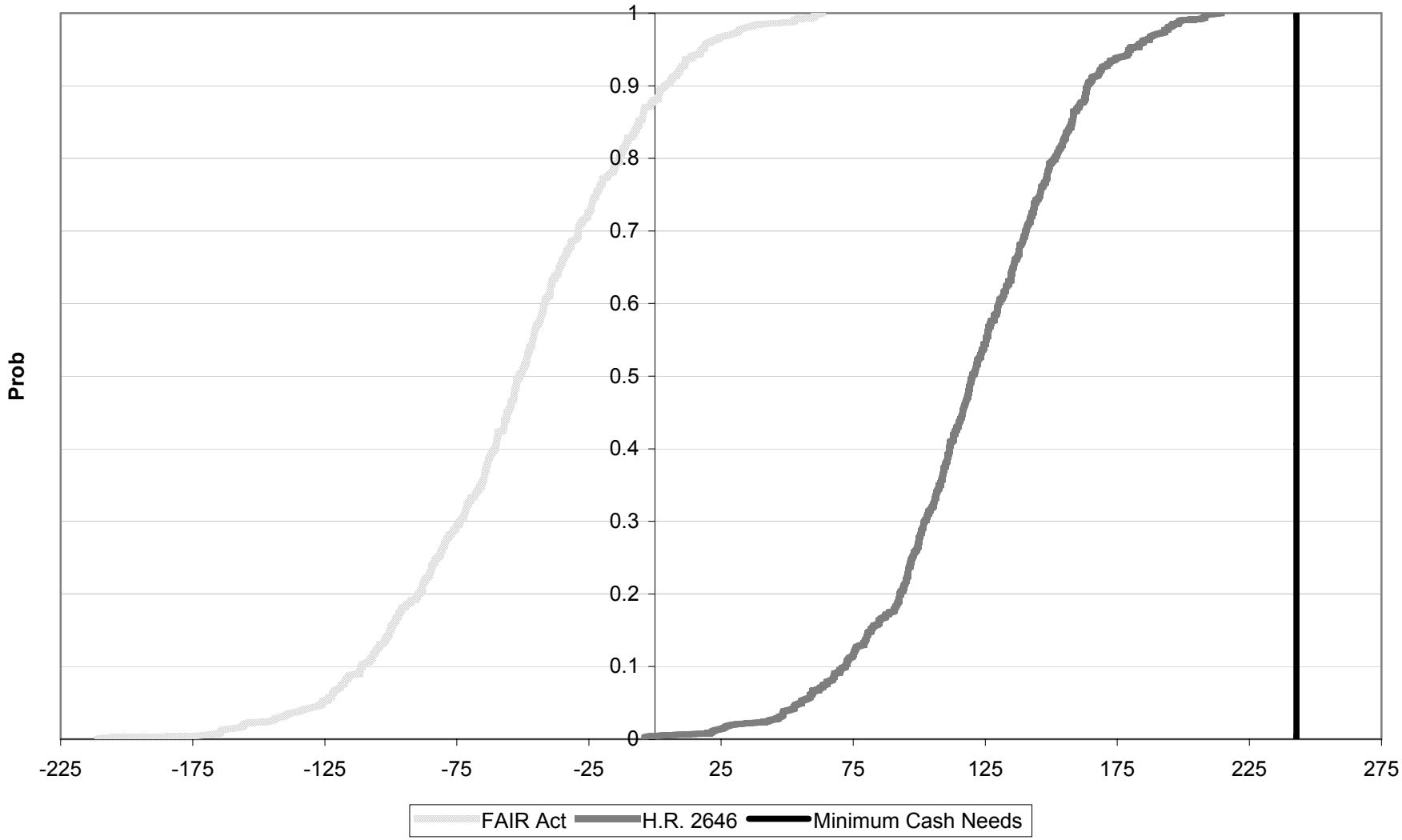
Figure 18. CDF of Average Annual Net Cash Farm Income, 2002-2006, Under FAIR Act Continuation and H.R. 2646 for the MSR4735 Representative Rice Farm