

APPENDIX Report Form

DUPLICATE DATE: 20 DAYS AFTER RECEIPT OF FORM

NOTICE - Response to this inquiry is required by law (title 13, U.S. Code). By the same law YOUR REPORT TO THE CENSUS BUREAU IS CONFIDENTIAL. It may be seen only by sworn Census employees and may be used only for statistical purposes. Your report CANNOT be used for purposes of taxation, investigation, or regulation. The law also provides that copies retained in your files are immune from legal process.

Form 79-A35
11-7-79

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

1979 FARM ENERGY SURVEY

COMPLETE AND RETURN TO

Bureau of the Census
1201 East Tenth Street
Jeffersonville, Indiana 47132

Note Please read the instruction Sheet before completing the form.

A RESPONSE IS NEEDED FROM YOU regardless of how small your farm or how little fuel was used. This survey will provide estimates of on-farm energy usage for the Department of Agriculture, the Department of Energy, other State and Federal agencies and farmer organizations. Only a small number of farms are included in the survey to represent gasoline, diesel fuel, electricity, and other energy consumption for all farmers in the United States. This information will help to ensure that more accurate, timely allocations of fuel are made available. If you no longer operate a farm, please complete section 1 and explain in REMARKS section, page 4, what has happened to the place you operated in 1978, and give the new operator's name, address, and telephone number.

CENSUS USE	035	036	037	038
------------	-----	-----	-----	-----

(Please correct errors in name, address, and ZIP code.)

SECTION 1 ACREAGE IN 1979

If the acres you operated in 1979 changed during the year, refer to the INSTRUCTION SHEET, section 1.

Report land owned, rented, or used by you, your spouse, or by the partnership, corporation, or organization for which you are reporting. Include ALL LAND, REGARDLESS OF LOCATION OR USE - cropland, pastureland, rangeland, woodland, idle land, house lots, etc.

	None	Number of acres
1. All land owned	<input type="checkbox"/>	043
2. All land rented or leased FROM OTHERS, including land worked by you on shares, used rent free, in exchange for services, payment of taxes, etc. Include leased Federal, State, and railroad land. (DO NOT include land used on a per-head basis under a grazing permit.)	<input type="checkbox"/>	044
3. All land rented or leased TO OTHERS, including land worked on shares by others and land subleased	<input type="checkbox"/>	045
4. ACRES IN THIS PLACE - ADD acres owned (item 1) and acres rented (item 2), then SUBTRACT acres rented TO OTHERS (item 3), and enter the result in this space.	<input type="checkbox"/>	046

For this census report these are the "ACRES IN THIS PLACE." If the entry is zero, please refer to the INSTRUCTION SHEET, section 1.

SECTION 2 SINCE 1974, HAVE YOU STARTED USING ANY OF THE FOLLOWING PRACTICES IN ORDER TO CONSERVE ENERGY?

- Reduced tillage practices
- Reduced fertilizer use
- Reduced irrigation
- Reduced hot water temperature
- Increased vehicle maintenance
- Converted from gas to diesel tractor
- Installed additional building insulation
- Reduced cooling and heating in farm buildings
- Installed solar energy equipment
- Other practices - Specify

	YES	NO	DOES NOT APPLY
050	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
051	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
052	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
053	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
054	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
055	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
056	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
057	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
058	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
059	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION 3 ENERGY EXPENDITURES AND USAGE DURING 1979

Please enter total expenditures whether for farm business, household or personal use, or for work done for other farms.

None	Expenditures during 1979		Amount purchased during 1979	Estimated percent of purchases for -			Estimated amount purchased in 1979 -			
	Dollars	Cents		Household and personal use	Work on this place	Work done on other farms	From January 1 to March 31	From April 1 to June 30	From July 1 to September 30	From October 1 to December 31
1. Gasoline	\$		Gal.	%	%	%	Gal.	Gal.	Gal.	Gal.
2. Gasohol	\$		Gal.	%	%	%	Gal.	Gal.	Gal.	Gal.
3. Diesel	\$		Gal.	%	%	%	Gal.	Gal.	Gal.	Gal.
4. LP gas, butane, and propane (LPG) (4.5 lbs. = 1 gallon)	\$		Gal.	%	%	%	Gal.	Gal.	Gal.	Gal.
5. Fuel oil	\$		Gal.	%	%	%	Gal.	Gal.	Gal.	Gal.
6. Natural gas	\$		Thou. cu. ft.	%	%	%	Thou. cu. ft.	Thou. cu. ft.	Thou. cu. ft.	Thou. cu. ft.
7. Coal	\$		Tons	%	%	%	Tons	Tons	Tons	Tons
8. Electricity	\$		kWh	%	%	%				
9. Kerosene	\$									
10. Motor oil and grease	\$									
11. Other - wood, coke, etc.	\$									

SECTION 4 CAPACITY OF FUEL STORAGE FACILITIES AND FUEL INVENTORIES ON THIS PLACE AS OF DECEMBER 31, 1979

Include above- and below-ground storage and portable tanks.

	Maximum storage capacity on this place on December 31, 1979		How full were these tanks on December 31, 1979? Mark (X) one				
	None	Gallons	Less than 20%	20-39%	40-59%	60-79%	80-100%
1. Gasoline	165	166	167	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Gasohol	170	171	172	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Diesel fuel	175	176	177	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. LPG	180	181	182	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Fuel oil	185	186	187	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION 5 SOURCE OF FUELS USED DURING 1979

Answer both questions for each of the following fuels

	During 1979 was your principal source of supply a farm Co-op?		During 1979 did you have fuel delivered to this place?	
	1	2	1	2
1. Gasoline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Gasohol	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Diesel fuel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. LPG	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Fuel oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<p>SECTION 6 During 1979 was any CUSTOMWORK DONE BY OTHERS on the acres in this place for a fee or in exchange for other work? Customwork is a service such as plowing, planting, or harvesting for which both operator and machinery are provided.</p> <p>006 1 <input type="checkbox"/> YES — Complete this section 2 <input type="checkbox"/> NO — Go to section 7</p> <p><i>Enter the acres in this place on which the following services were performed by others during 1979 for a fee or in exchange for other work.</i></p> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th colspan="2">Total acres for which —</th> </tr> <tr> <th>You provided fuel</th> <th>You did not provide fuel</th> </tr> <tr> <td>200</td> <td>201</td> </tr> <tr> <td>202</td> <td>203</td> </tr> <tr> <td>204</td> <td>205</td> </tr> <tr> <td>206</td> <td>207</td> </tr> <tr> <td>208</td> <td>209</td> </tr> </table> <p>1. Soil preparation — plowing, disking, etc.</p> <p>2. Planting</p> <p>3. Cultivating, including summer fallow</p> <p>4. Pesticide, herbicide, and/or fertilizer application</p> <p>5. Harvesting — Exclude silo filling</p>	Total acres for which —		You provided fuel	You did not provide fuel	200	201	202	203	204	205	206	207	208	209	<p>SECTION 7 During 1979 did you perform any CUSTOMWORK FOR OTHERS for a fee or in exchange for other work? Customwork is a service such as plowing, planting, or harvesting for which both operator and machinery are provided.</p> <p>007 1 <input type="checkbox"/> YES — Complete this section 2 <input type="checkbox"/> NO — Go to section 8</p> <p><i>Enter the acres for which you performed the following services for others during 1979 for a fee or in exchange for other work.</i></p> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th colspan="2">Total acres for which —</th> </tr> <tr> <th>You provided fuel</th> <th>You did not provide fuel</th> </tr> <tr> <td>210</td> <td>211</td> </tr> <tr> <td>212</td> <td>213</td> </tr> <tr> <td>214</td> <td>215</td> </tr> <tr> <td>216</td> <td>217</td> </tr> <tr> <td>218</td> <td>219</td> </tr> </table> <p>1. Soil preparation — plowing, disking, etc.</p> <p>2. Planting</p> <p>3. Cultivating, including summer fallow</p> <p>4. Pesticide, herbicide, and/or fertilizer application</p> <p>5. Harvesting — Exclude silo filling</p>	Total acres for which —		You provided fuel	You did not provide fuel	210	211	212	213	214	215	216	217	218	219
Total acres for which —																													
You provided fuel	You did not provide fuel																												
200	201																												
202	203																												
204	205																												
206	207																												
208	209																												
Total acres for which —																													
You provided fuel	You did not provide fuel																												
210	211																												
212	213																												
214	215																												
216	217																												
218	219																												

SECTION 8 Were any WHEEL TRACTORS used on this place during 1979?

INCLUDE: Tractors which you owned, rented, leased, owned in partnership, or were provided by your landlord.
EXCLUDE: Any tractors which were provided by a custom operator for activities covered in section 6 and all tractors not used during 1979, even though they were on this place.

008
1 YES — Complete this section
2 NO — Go to section 9

Enter the number of tractors used during 1979. 220 _____ Number

Complete one line for each tractor. If you have more than 10, please use the REMARKS section, page 4.

Year of manufacture	Principal type of fuel used Mark (X) one			PTO horsepower range Mark (X) one								Estimated hours used during 1979	
	Gasoline or gasohol	Diesel	LPG	Less than 40	40-59	60-79	80-99	100-119	120-159	160-199	200 and over	On this place	On other farms
225	226 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	227 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>	228	229
230	231 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	232 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>	233	234
235	236 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	237 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>	238	239
240	241 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	242 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>	243	244
245	246 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	247 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>	248	249
250	251 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	252 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>	253	254
255	256 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	257 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>	258	259
260	261 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	262 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>	263	264
265	266 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	267 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>	268	269
270	271 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	272 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>	273	274

SECTION 9 Were any MOTOR TRUCKS, INCLUDING PICKUPS used on this place during 1979 for the farm business?

INCLUDE: Trucks which you owned, rented, leased, owned in partnership, or were provided by your landlord.
EXCLUDE: Any trucks which were provided by a custom operator for work covered in section 6.

009
1 YES — Complete this section
2 NO — Go to section 10

Enter the number of trucks used during 1979. 300 _____ Number

Complete one line for each truck. If you have more than 10, please use the REMARKS section, page 4.

Year of manufacture	Principal type of fuel used Mark (X) one			Gross load capability Mark (X) one				Estimated mileage during 1979	
	Gasoline or gasohol	Diesel	LPG	Pickups less than 1 ton	1 ton but less than 2	2 tons but less than 5	5 tons and over	Business associated with this place	Personal and non-farm use
305	306 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	307 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	308	309
310	311 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	312 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	313	314
315	316 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	317 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	318	319
320	321 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	322 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	323	324
325	326 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	327 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	328	329
330	331 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	332 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	333	334
335	336 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	337 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	338	339
340	341 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	342 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	343	344
345	346 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	347 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	348	349
350	351 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	352 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	353	354

SECTION 10 Were any SELF-PROPELLED GRAIN OR BEAN COMBINES used on this place during 1979?
INCLUDE: Self-propelled combines which you owned, rented, leased, owned in partnership, or were provided by your landlord.
EXCLUDE: Any self-propelled combines provided by a custom operator for work covered in section 6.

010 YES - Complete this section
 NO - Go to section 11

Enter the number of combines used 390 _____ Number

Complete one line for each combine. If you have more than five, please use the REMARKS section, page 4.

Year of manufacture	Type of fuel used Mark (X) one			Size			Estimated acres combined during 1979	
	Gasoline or gasohol	Diesel	LPG	Number of rows	Or Width of head (feet)	On this place	On other farms	
390	391 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	392 Or	393 Or	394	395	
400	401 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	402 Or	403 Or	404	405	
410	411 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	412 Or	413 Or	414	415	
420	421 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	422 Or	423 Or	424	425	
430	431 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	432 Or	433 Or	434	435	

SECTION 11 Were any AUTOMOBILES used in connection with the farm business during 1979?
INCLUDE: Any automobiles which you owned, rented, leased, owned in partnership, or were provided by your landlord.

011 YES - Complete this section
 NO - Go to section 12

Enter the number of automobiles used 449 _____ Number

Complete one line for each automobile. If you have more than five, please use the REMARKS section, page 4.

Year of manufacture	Estimated mileage during 1979 for -	
	The farm business	Personal use
450	451	452
455	456	457
460	461	462
465	466	467
470	471	472

SECTION 12 Were any IRRIGATION PUMPS (INCLUDE WELL AND SURFACE PUMPS) used on this place during 1979?
EXCLUDE: Motors used for ventilation fans, compressors, refrigeration, etc.

012 YES - Complete this section
 NO - Go to section 13

How many irrigation pumps were used on this place that were operated by -

	Number of well and surface pumps	Acres irrigated
1. Electricity	500	501
2. Natural gas	502	503
3. LPG	504	505
4. Diesel	506	507
5. Gasoline or gasohol	508	509

SECTION 15 Were any CROP DRYING OR TOBACCO CURING FACILITIES used on this place during 1979?
EXCLUDE: Air dried tobacco, crib dried corn, and other crops which were dried using no energy for heat or air circulation.

015 YES - Complete this section
 NO - Go to section 16

1. For each type of crop dried, enter amount dried, and average points of moisture removed.

Crops	Amount dried	Points of moisture removed
Corn	592 Bu.	593 %
Soybeans	594 Bu.	595 %
Tobacco	596 Lb.	597 %
Other - Specify	598 Bu.	599 %

2. From the list below enter the type of system used, corresponding code, type of crop dried, and energy used as heat source.

Type of system	Code	Crop dried Mark (X) as many as apply				Type of energy used as heat source Mark (X) one				Mark (X) if forced air only
		Corn	Soybeans	Tobacco	Other Specify	Fuel oil	LPG	Natural gas	Solar heat	
In-bin	910	616 <input type="checkbox"/>	617 <input type="checkbox"/>	618 <input type="checkbox"/>	619 <input type="checkbox"/>	620 <input type="checkbox"/>	621 <input type="checkbox"/>	622 <input type="checkbox"/>	623 <input type="checkbox"/>	624 <input type="checkbox"/>
Continuous flow	911	625 <input type="checkbox"/>	626 <input type="checkbox"/>	627 <input type="checkbox"/>	628 <input type="checkbox"/>	629 <input type="checkbox"/>	630 <input type="checkbox"/>	631 <input type="checkbox"/>	632 <input type="checkbox"/>	633 <input type="checkbox"/>
Batch	912	634 <input type="checkbox"/>	635 <input type="checkbox"/>	636 <input type="checkbox"/>	637 <input type="checkbox"/>	638 <input type="checkbox"/>	639 <input type="checkbox"/>	640 <input type="checkbox"/>	641 <input type="checkbox"/>	642 <input type="checkbox"/>
Recirculating	913	643 <input type="checkbox"/>	644 <input type="checkbox"/>	645 <input type="checkbox"/>	646 <input type="checkbox"/>	647 <input type="checkbox"/>	648 <input type="checkbox"/>	649 <input type="checkbox"/>	650 <input type="checkbox"/>	651 <input type="checkbox"/>
Tobacco	914	652 <input type="checkbox"/>	653 <input type="checkbox"/>	654 <input type="checkbox"/>	655 <input type="checkbox"/>	656 <input type="checkbox"/>	657 <input type="checkbox"/>	658 <input type="checkbox"/>	659 <input type="checkbox"/>	660 <input type="checkbox"/>

SECTION 13 Was any OTHER SELF-PROPELLED EQUIPMENT used on this place during 1979?
INCLUDE: Any self-propelled equipment which you owned, rented, leased, owned in partnership, or were provided by your landlord.
EXCLUDE: Any self-propelled equipment which was provided by a custom operator and covered in section 6.

013 YES - Complete this section
 NO - Go to section 14

Enter the number of other self-propelled machines used 510 _____ Number

From the list below enter the type of self-propelled equipment, corresponding code, type of fuel used, model year, and acres covered. If you have more than 10, please use the REMARKS section, page 4.

Type of machinery	Code	Type of fuel used Mark (X) one			Year of manufacture	Estimated acres on which used during 1979 If applicable	
		Gasoline or gasohol	Diesel	LPG		On this place	On other farms
515	516 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	517	518	519
520	521 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	522	523	524
525	526 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	527	528	529
530	531 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	532	533	534
535	536 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	537	538	539
540	541 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	542	543	544
545	546 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	547	548	549
550	551 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	552	553	554
555	556 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	557	558	559
560	561 <input type="checkbox"/>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	562	563	564

Type of machinery	Code	Type of machinery	Code
Forage harvester	901	Cotton stripper	905
Windrower	902	Self-propelled sprayer	906
Front end loader (exclude tractor attachments)	903	Crawler tractor (including bulldozers)	907
Cotton picker	904	Other - Specify above	908

SECTION 14 Were any ELECTRIC MOTORS OVER ONE HORSEPOWER (EXCLUDING IRRIGATION PUMPS) used on this place during 1979?
INCLUDE: Motors used for ventilation fans, compressors, refrigeration, etc.

014 YES - Complete this section
 NO - Go to section 15

Enter the total number of motors over 1 horsepower used on this place in 1979 590 _____ Number

Of the motors used, how many were over 5 horsepower? 591 _____ Number

SECTION 16 Were any NON-RESIDENTIAL FARM BUILDINGS HEATED OR AIR CONDITIONED during 1979?
 EXCLUDE: Buildings which were ventilated only.

016 YES — Complete this section
 2 NO — Go to section 17

1. Enter type of building and code from list below, whether heated or air conditioned, and energy source for heating or air conditioning.

Type of building	Code	Was this building—		If "Yes," mark (X) principal energy source						
		Yes	No	LPG	Natural gas	Electricity	Fuel oil	Coal	Solar	Other
635		Heated?	1 <input type="checkbox"/> 2 <input type="checkbox"/>	636	637	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>
Beef cattle	915	Air conditioned?	1 <input type="checkbox"/> 2 <input type="checkbox"/>	638	639	3 <input type="checkbox"/>				
Dairy	916									
Swine	917									
Poultry	918									
Workshop	919									
Greenhouse	920									
Other—specify at right	921									

SECTION 17 Were any HOT WATER FACILITIES USED in any farm buildings on this place during 1979 to provide water for sanitation (equipment sterilization, cleaning, etc.)?

017 YES — Mark (X) energy source → 650 1 LPG 2 Natural gas 3 Electricity 4 Fuel oil 5 Coal 6 Solar 7 Other
 2 NO — Go to section 18

SECTION 18 CROPS GROWN ON THIS PLACE DURING 1979
 Refer to the INSTRUCTION SHEET, section 18.

Enter the number of acres planted, harvested, and irrigated, and indicate the estimated gross value of sales for each of the following crops.

1. GRAINS — Include corn for grain, grain sorghums, rice, wheat and other small grains, soybeans, dry beans, dry peas and cowpeas, flaxseed, sunflower seed, popcorn, and safflower.	None	Number of acres planted in 1979	Number of acres harvested in 1979	Number of acres irrigated in 1979	Estimated gross value of sales during 1979 — Mark (X) one								
					Less than \$1,000	\$1,000 — \$2,499	\$2,500 — \$4,999	\$5,000 — \$9,999	\$10,000 — \$39,999	\$40,000 — \$99,999	\$100,000 — \$499,999	\$500,000 and over	
655		656	657	658	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>	
660		661	662	663	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>	
665	/10	666	/10	667	668	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>
670		671	672	673	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>	
675	/10	676	/10	677	678	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>
680		681	682	683	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>	
685		686	687	688	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>	
690		691	692	693	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>	
695		696	697	698	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>	

SECTION 19 LIVESTOCK, POULTRY, AND THEIR PRODUCTS SOLD DURING 1979
 Refer to the INSTRUCTION SHEET, section 19.

Indicate estimated gross value of sales.

1. Cattle and calves	None	Estimated gross value of sales during 1979 — Mark (X) one							
		Less than \$1,000	\$1,000 — \$2,499	\$2,500 — \$4,999	\$5,000 — \$9,999	\$10,000 — \$39,999	\$40,000 — \$99,999	\$100,000 — \$499,999	\$500,000 and over
700		1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>
701		1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>
702		1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>
703		1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>
704		1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input type="checkbox"/>

SECTION 20 PERSON COMPLETING THIS REPORT

PLEASE PRINT	Name	705 Date	Telephone	
			706 Area code	Number

Remarks

FORM 79-A35(1)
(12-27-79)U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS**INSTRUCTION SHEET**
1979 FARM ENERGY SURVEY**GENERAL INFORMATION**

WE NEED A COMPLETED REPORT FORM FROM EVERYONE receiving this request. The sample has been drawn by statistical sampling procedures and substitutions cannot be made. Please follow the instructions given below for completing the report form.

1. General

Not all of you will need to answer all questions. The enclosed report form is being used by a number of farmers and ranchers throughout the entire United States. Because it is meant for use in all parts of the country, it may contain sections and questions which do not apply to you. In this case, mark the "None" or "No" box and go on to the next item or section.

2. Partnership Operations

A partnership is an association of two or more persons who have agreed (informally or under legal contract) on the amount of their contributions and profit distributions.

Complete only ONE report for the entire agricultural partnership operation, including the shares of all partners on the same report.

3. How To Enter Your Responses On The Report Form

Please enter your answers in the proper spaces, on the correct lines, and in the units requested, such as dollars, gallons, kilowatt-hours (kWh), etc. Write any explanations outside the answer spaces or in the Remarks section at the end of the form.

Enter whole numbers unless the "Tenths" column is provided, such as reporting acres of tobacco in section 18. If you have 1/2, 1/4, or 1/3 of an acre, convert to tenths. For example, convert 1/2 to 5/10, 1/3 to 3/10, 1/4 to 2/10, etc.

If you do not recall exact figures, please give your best estimates. You may indicate "Est." (for estimated) beside the answer, if you wish. For all dollar items, we need only whole dollars, although a "Cents" column is provided for those who wish to report cents.

COMPLETING THE REPORT FORM**Section 1 — ACREAGE IN 1979**

This section determines the land for which you should report agricultural activities.

Changes in the Acres Operated in 1979 — Report all land that YOU USED during 1979, and the crops and livestock production on that land, even if some or all of it was no longer a part of your operation on December 31, 1979.

If you had agricultural operations at any time during 1979, but quit farming before December 31, 1979, report your 1979 energy use and the crop and livestock production and sales from that land for the portion of the year that you operated the land. Please explain in the Remarks section of the report form that you quit farming or ranching during 1979.

If you acquired land for agricultural operations, but did not use it for livestock or crop production in 1979, include the land in section 1. Please explain in the Remarks section.

Completing Items 1, 2, 3, and 4 of Section 1 — Use items 1, 2, and 3 to determine the acres of land that are your responsibility for the purpose of making the energy survey report. Include all land that you were associated with in 1979, regardless of location or use, but do not include holdings of residential property not associated with agricultural operations. Report all land in whole acres in this section.

Item 1 — Land Owned — Report all land owned in 1979 whether held under title, purchase contract or mortgage, homestead law, or as heir or trustee of an undivided estate, by you and/or your spouse, or by the partnership, corporation, or organization for which you are reporting.

Item 2 — Land Rented or Leased FROM Others — Report all land rented by you, even though the landlord may have supplied equipment, fertilizer, or other materials and/or some supervision of the work.

INCLUDE in item 2 —

- Land (for agricultural uses) that you rented FROM others for cash payments
- Land worked on a share basis
- Land (owned by someone else) which you used rent-free
- Federal, State, Indian, or railroad land rented or leased by the acre

DO NOT INCLUDE in item 2 — Land used on a per-head or animal unit license or permit basis, such as land used under section 3 of the Taylor Grazing Act, National Forest Land, or Indian Reservation Permit Land.

Item 3 — Land Rented TO OTHERS — Cash tenants, share tenants, and share croppers are farm operators for census purposes and are responsible for completing the energy survey report for the land they operate.

INCLUDE in item 3 —

- Owned land rented TO others for cash or a share of the crops or livestock
- Land which you rented from others and then subleased to others in 1979
- Land rented out for residential or other nonfarm purposes, if it was part of the land reported in items 1 or 2
- Land worked for you by someone else on a share-of-crop basis
- Land which you allowed others to use rent-free

Item 4 — Acres in This Place — This is the sum of the land that you owned in 1979 (item 1), PLUS the land that you rented FROM others (item 2), MINUS the land that you rented TO others (item 3). It is very important that you report this figure correctly (even if "0" acres), since the remainder of your report should cover only those operations on the "Acres in This Place" reported in item 4.

"Zero Acres in Place" — Should you complete the rest of this form?

If you yourself had crop or livestock activities on the land for any portion of the year, you should complete the rest of the form. See "Changes in Acres Operated in 1979" above.

If all your land was operated by a renter or share-cropper for all of 1979, you do not have to complete the entire form. In this case, you should:

- Skip to section 20 and complete Name, Telephone number, etc.
- Explain briefly in the Remarks section that you did not operate a farm or ranch in 1979. For example, "All land rented out," "Sold Farm," "Retired," etc., and give the approximate date that you quit operating. If you sold your farm, please give the name and address of the current owner or operator, if known.
- Mail the form in the return envelope provided.

Section 3 — ENERGY EXPENDITURES AND USAGE

Purchases — Report all expenditures for energy during 1979 which were paid for by you or by others (for example, include the value of fuel if it was provided by your landlord) for use in connection with the farm operation on the acres in this place (section 1, item 4).

If you live on the acres in section 1, item 4, please report total expenditures for both household and farm business. However, if you do not live on the acres in section 1, item 4, do not include your household and personal purchases of energy in this column.

Include all energy which you purchased for use in performing work on other farms (such as plowing, harvesting, hauling, etc.) only if this work was done in connection with your own farm operation. If you have a customwork or a nonfarm business which is operated separately from your farm operation with a separate accounting system, do not report any information about it on this form.

Exclude all purchases which were paid by family members for personal nonfarm uses such as gasoline used for commuting to a job or school. Also exclude expenses for energy used by a business conducted separately from your farm operation such as customwork mentioned above or other nonfarm work.

Estimated Percent of Purchases

These three columns were designed to provide a means of estimating the end uses of farm energy and therefore should total 100% when added across. The "Amount purchased during 1979" column should be the basis for these estimates.

Household and personal uses — Include household use for heating, cooking, etc., gasoline used in personal automobiles (or in farm business automobiles for personal use), energy used in buildings provided to hired labor or managers, etc. Expenses for heating and cooling of nonresidential farm buildings should be included in the "Work on this place" column.

Work on this place — Include all farm related energy expenses incurred in connection with the operation of the farm business on the acres in item 4 of section 1.

Work done on other farms — Include work such as plowing, planting, harvesting, etc., or hauling of livestock or crops only if this work is done in connection with your farm operation. If you have a separate customwork or trucking business which has its own accounting system, do not include any of its expenses on this report.

Section 4 — INVENTORIES AND CAPACITY OF ON-FARM STORAGE FACILITIES

Report the maximum storage available on this place for each type of fuel. Do not report the same storage facility more than once even though it may have been used for two types of fuel during 1979. Report storage only under the most current use. For example, if you have a 3,000 gallon storage tank for gasoline which was switched to diesel fuel during 1979, report 3,000 gallons of maximum storage capacity for diesel fuel rather than for gasoline.

Section 7 — CUSTOMWORK DONE ON OTHER FARMS

Report data for customwork done for other farms only if the work was done using machinery operated in conjunction with this farm operation as defined by the acreage in section 1, item 4. Do not include work done by a customwork business which is operated separately from your farm operation with its own accounts from your farming operation.

Section 8 — WHEEL TRACTORS

Report information for all wheel tractors which you owned, rented, leased, owned in partnership with others, or which were provided by your landlord. Include any tractors which were used on this place during 1979 but were sold or traded in before the end of the year. Please exclude any tractors which were provided by custom operators and used to perform any of the activities covered in section 6. Do not report any tractors which were on your farm but were worn out, idle, or for other reasons not used during 1979.

If you have a customwork business which is operated separately from your farm operation (with a separate accounting system) do not report any tractors owned or leased for that business. If any of these tractors were used on this place during 1979, report the acres covered under the proper category of activity in section 6. Do not include equipment with built-in power units such as self-propelled combines, windrowers, or cotton pickers (report in section 13), power units of truck-trailer combinations (report in section 9), and crawler tractors (report in section 13).

Section 9 — TRUCKS

Report information for all trucks which you owned, rented, leased, owned in partnership with others, or which were provided by your landlord. Include any trucks which were used on your farm during 1979 but were sold or traded in before the end of the year. Also include power units of truck-trailer combinations and jeeps or station wagons which were used primarily as trucks. Include all pick-up trucks even though they may have been used primarily for personal transportation rather than for hauling. Please exclude trucks which were owned and operated by others and hired on a per-head or per-load basis for hauling livestock or crops. Do not report any trucks which were on your farm but were worn out, idle, or for other reasons not used during 1979. If you have a trucking business which is operated separately from your farm operation (with separate accounts), do not report any trucks which were owned, leased, etc. by that business.

Section 10 — SELF-PROPELLED COMBINES

Report information for all combines which you owned, rented, leased, owned in partnership with others or were provided by your landlord. Include all self-propelled combines which were used on your farm during 1979 but were sold or traded in before the end of the year. Please exclude any self-propelled combines which were provided by custom operators and used for crop harvesting covered in section 6.

Do not report any self-propelled combines which were on this place but were worn out, idle, or not used for harvesting during 1979. Do not report any information about self-propelled combines which were owned or leased by a customwork business which you operate separately from your farm operation (with a separate accounting system). If any of these machines were used on this place, report the acres harvested in section 6, item 5. Include all grain combines with corn picking head attachments; exclude all pull-type grain/bean combines. If the same combine was used for grain and corn during 1979, report the combine only once, but enter both numbers of rows and width of head, and total acres harvested for both grain and other crops.

Section 11 — AUTOMOBILES

Report information for all automobiles which you owned, rented, leased, owned in partnership or were provided by your landlord. Include any automobiles which were used on your farm during 1979 but sold or traded in before the end of the year. Do not report any automobiles which were on your farm but were worn out, idle, or for other reasons not used during 1979. Exclude automobiles owned by sons and daughters who purchase their own fuel and do not use the automobiles for the farm business. Report jeeps and station wagons which are used primarily as trucks in section 9. Do not include any automobiles owned or leased by any business you operated separately from your farm business (with a separate accounting system).

Section 12 — IRRIGATION PUMPS

Irrigation is defined as land watering by artificial or controlled means — sprinklers, furrows or ditches, spreader dikes, purposeful flooding, etc. Include acres that received supplemental, partial, and preplant irrigation by pump from wells or ponds.

Section 13 — OTHER SELF-PROPELLED EQUIPMENT

Report information for all other self-propelled equipment which you owned, rented, leased, owned in partnership or were provided by your landlord. Include all equipment used on this place during 1979 but sold or traded in before the end of the year. Exclude data for any self-propelled equipment which was provided by custom operators and covered in section 6. Do not report any equipment which was worn out or idle and not used during 1979. Exclude all pull-type equipment towed by tractors covered in section 8. If your type of self-propelled equipment does not fall within the given categories, please describe as best you can the type of equipment entered under "other" (code 908). Do not report any other self-propelled equipment owned or leased by a customwork business which you operated separately from your farm operation (with a separate accounting system). If any of the machinery was used on this place during 1979, report the acres covered under the proper category in section 6.

Section 14 — ELECTRIC MOTORS OVER ONE HORSEPOWER

Electric motors which are over one horsepower generally weigh in excess of thirty pounds and are used in such operations as crop dryers, fans, in grain augers, elevators and cleaners, for refrigeration compressors, etc. Motors larger than five horsepower generally weigh in excess of one hundred pounds.

Section 15 — CROP DRYING

Report data for crop drying activities on this place during 1979, even if the dryer was leased on a temporary basis or on loan. If you have more than one type of system or two of the same types of systems, complete one line for each one.

Section 16 — HEATING AND COOLING OF NON-RESIDENTIAL FARM BUILDINGS

Complete one line for each separate building heated or cooled. Example: If you have three dairy buildings only two of which are heated — complete two lines. If you have 5 broiler houses all of which are heated — complete 5 lines.

Section 18 — CROPS GROWN DURING 1979

Report information for crops on land you operated during 1979; do not report data for crops grown on land rented, leased, or worked on shares by others during 1979.

Acres Planted — Enter the acres planted in 1979. Round fractions to whole acres except where tenths are requested, such as for tobacco.

If two or more crops were planted on the same acreage, report the total acres planted, include any acreage on which the crop was lost or not harvested.

Examples: If you planted 100 acres of corn, then replanted 25 acres with vegetables, report 100 acres of corn planted and 75 acres of corn harvested in item 1 and 25 acres of vegetables planted and harvested in item 5.

If you planted and harvested 2 lettuce crops on a 10-acre field, report 20 acres planted and harvested in item 5.

If you planted 50 acres of potatoes and could not harvest them due to wet field conditions, report 50 acres planted and zero acres harvested in item 7.

Interplanted Crops and "Skip Row" Planting — If two crops were grown at the same time in alternating strips in the same field, report the portion of the field used for each crop.

Example: A 60-acre field was planted in cotton and soybeans, with two rows of cotton followed by an area of the same width planted in soybeans. Thirty acres of soybeans would be reported in item 1, and 30 acres of cotton in item 2.

Acres Harvested — Report the total acres of crops harvested regardless of when planted.

Example: If you planted and harvested 2 lettuce crops from a 10-acre field, report a total of 20 acres of lettuce harvested in item 5.

Acres Irrigated — For each crop irrigated, report the number of acres irrigated. Irrigation is defined as land watered by artificial or controlled means — sprinklers, furrows or ditches, spreader dikes, purposeful flooding, etc. Include acres that received supplemental, partial, and preplant irrigation. For any crop not irrigated, leave "Acres irrigated" blank. Report the acres only once regardless of the number of applications you made.

Gross Value of Crops Sold in 1979 — Report the values received during 1979, regardless of the year in which the crops were harvested. Do not report value of sales for crops which were grown for feed used on this place. Give gross values (before deducting for taxes and expenses). If full payment was not received for a crop or crops sold in 1979, report only the amount actually received in 1979.

For value of grains and cotton, include as sold the value of government Commodity Credit Corporation (CCC) loans received in 1979 but not loans obtained from any other government or private source.

Section 19 — LIVESTOCK, POULTRY, AND THEIR PRODUCTS

Value of Sales — Be sure to report the total gross value of sales of livestock and poultry without deducting cost of feed, cost of livestock purchased, cost of hauling and selling, etc. If the sale price or value is not known, give your best estimate of their value when they left this place.

Sales From Custom Feeding Operations — Include the value of sales of animals fed on this place on a contract or custom basis if they were removed from this place during 1979.

Contract Poultry Operations — Report your best estimate of the actual value of eggs, broilers, turkeys, etc., at the time they were removed from this place during 1979 rather than the payment you received from the contractor.

Animals Moved to Another Place — For animals removed from this place to another place, such as for further feeding, report them as sold and give your best estimate of their market value when they left this place.

Animals to be Excluded From the Report — Do not report any animals or poultry kept under a share arrangement on land rented TO others in 1979.

Animals Sold From Another Place — Animals owned by you, but held and sold from someone else's place should NOT be included. For example, do not report the value of sales of cattle purchased elsewhere, fed-in, and sold from a feedlot that was not part of this place.

Animals Bought and Sold — Do not include animals bought and resold within 30 days. Such purchases and sales are considered "dealer" transactions.