





**STEP 1: Farm area and land use**

1.00 What unit of measure will you use to report land areas?

(Check one circle only)

- <sup>01</sup> Acres     <sup>02</sup> Hectares     <sup>03</sup> Arpents (Quebec only)

21

1.01 In 2005, what was the total farmland area? .....

--	--	--	--	--	--	--

22

**INCLUDE**

- all land area on this operation whether the land area is owned, rented or crop-shared **FROM OTHERS** in 2005
- all hay and crops harvested or used as green manure in 2005, even if they were sown or planted in an earlier year
- tame or seeded pasture and natural land for pasture and ranch areas
- producing and non-producing areas of fruits, berries, nuts and vegetables
- areas in summerfallow and chemfallow (if both practices are used, report areas only once)
- woodland (woodlots, sugarbush, tree windbreaks, bush, shelterbelt)
- areas of nursery and sod cultivated for sale

**DO NOT INCLUDE**

- land area rented **TO OTHERS** in 2005
- Christmas tree (naturally established or planted for sale) areas
- idle land, land on which farm buildings, barnyards, lanes, home gardens, greenhouses and mushroom houses are located

1.02 In 2005, what was the total area harvested for hay or silage?.....

--	--	--	--	--	--	--

22

**INCLUDE**

- all hay areas only once even if areas was harvested for more than one cut
- alfalfa, tame hay and fodder crops (clover, etc.) harvested for hay or silage

**DO NOT INCLUDE**

- tame or seeded pasture areas
- natural land for pasture
- areas of annual crops (oats, fodder corn, etc.) pastured or harvested as hay or silage

1.03 On average, how many years does a field remain in hay before another crop is rotated in or before the hay is reseeded?.....

--	--	--	--	--	--	--

years

23

1.04 How much land area was changed **FROM HAY** in 2004 to an **ANNUAL CROP ONLY** in 2005?.....

--	--	--	--	--	--	--

24

1.05 How much land area was changed **FROM HAY** in 2004 to an **ANNUAL CROP underseeded with a new hay crop** in 2005?.....

--	--	--	--	--	--	--

25

1.06 How much land area was changed **FROM AN ANNUAL CROP** in 2004 to **HAY** in 2005?.....

--	--	--	--	--	--	--

25

1.07 In 2005, what was the total area of tame or seeded pasture?.....

--	--	--	--	--	--	--

26

- **DO NOT INCLUDE** areas to be harvested for hay, silage or seed

1.08 In 2005, what was the total area of natural land for pasture and rangeland?.....

--	--	--	--	--	--	--

27

1.09 On average, how many years does a field remain in pasture before another crop is rotated in or before the pasture is reseeded?.....

--	--	--	--	--

years

<sup>28</sup>

- Not applicable, pasture is never reseeded or no crop rotated in

1.10 How much land area was changed **FROM PASTURE** (tame, seeded and natural) in 2004 to an **ANNUAL CROP** in 2005?.....

--	--	--	--	--	--	--

29

1.11 How much land area was changed **FROM AN ANNUAL CROP** in 2004 to **PASTURE** in 2005?.....

--	--	--	--	--	--	--

30

1.12 In 2005, what was the total area in annual field crops?.....

--	--	--	--	--	--	--

31

1.13 What was the total producing and non-producing area in fruits, berries and nuts in 2005?.....

--	--	--	--	--	--	--

32

1.14 In 2005, what was the total area in vegetables?.....

--	--	--	--	--	--	--

33

1.15 What was the total woodland (woodlots, sugarbush, tree windbreaks, bush, shelterbelt) area?.....

--	--	--	--	--	--	--

34

- **DO NOT INCLUDE** Christmas tree (naturally established or planted for sale) areas

1.16 How much land area was changed **FROM WOODLAND** areas in 2004 to **CULTIVATED CROPLAND** in 2005?.....

--	--	--	--	--	--	--

35

1.17 How much land area was changed **FROM WOODLAND** areas in 2004 to **PASTURE** in 2005?.....

--	--	--	--	--	--	--

36

1.18 How much the land area that you farmed in 1995 was **permanently** out of agricultural production in 2005? .....

--	--	--	--	--	--	--

37

**EXAMPLE ON HOW TO COMPLETE STEP 2**

**How to complete Step 2**

- Each column should be used to report the crop you harvested in 2005 and the tillage used to prepare the soil before.
- Tillage and seeding practices may differ depending on the type of soil, the crop that was grown in the previous year, etc. If different tillage and seeding practices were used for the same type of crop (even if just for part of a field), use different columns to report each situation.
- Include tillage and seeding practices only for the land that you operated (owned, rented FROM OTHERS or in crop-shared FROM OTHERS) in 2005.
- Report all hay and crops harvested or used as green manure in 2005, even if they were sown or planted in an earlier year.
- Include all tillage and seeding practices made by you, a partner, an employee or a custom operator.
- Report tillage implements used for hay fields in 2004 that were changed to an annual crop in 2005.
- If **summerfallow** was used in 2005, report tillage activities on the summerfallow areas in Step 7 (page 9).
- If the field was in hay, pasture, or fallow in 2004, report "hay" ("pasture" or "fallow") and skip the question on the yield in 2004 for this field.
- If you don't find the tillage and seeding implements in the proposed lists, use the "Other" category to describe the implements you used.

**Example**

John harvested 150 acres of wheat in 2005. Of those 150 acres, 100 were in fields where he grew corn in 2004, and 50 acres were in fields where he grew hay in 2004. John will report the 100 acres of wheat in the "Situation A" column and the 50 acres of wheat in the "Situation B" column. In 2005, John also harvested 100 acres of corn in fields where he grew wheat in 2004 (Situation C).

Yield for the corn harvested in 2004 was about 140 bushels per acre (Situation A), and 35 bushels per acre for the wheat (Situation C). He does not need to report the yield for the hay in 2004.

	<u>Situation A</u>	<u>Situation B</u>	<u>Situation C</u>
2.00 What crop was harvested in 2005?	WHEAT <sup>100</sup>	WHEAT <sup>200</sup>	CORN <sup>300</sup>
2.01 What was the harvested area in 2005?	1 0 0 <sup>101</sup>	5 0 <sup>201</sup>	1 0 0 <sup>301</sup>
2.02 What crop was underseeded in 2005?	<sup>102</sup>	<sup>202</sup>	<sup>302</sup>
2.03 What area was underseeded in 2005?	0 <sup>103</sup>	0 <sup>203</sup>	0 <sup>303</sup>
2.04 What crop was harvested in 2004?	CORN <sup>104</sup>	HAY <sup>204</sup>	WHEAT <sup>304</sup>
2.05 What was the yield for the crop in 2004?	1 4 0 <sup>105</sup>	<sup>205</sup>	3 5 <sup>305</sup>
2.06 What unit of measure do you report yield?	Bushel per acre <sup>106</sup>	<sup>206</sup>	Bushel per acre <sup>306</sup>

**Example**

For "Situation A" and "Situation B", John used what he considers conventional tillage and seeding practices.

For "Situation C", he used an air seeder, which he considers as no-till or direct seeding.

2.07 To prepare the land before seeding the crop in 2005 (or fall 2004), would you say the tillage was... (Check one circle only for each column)

	<u>Situation A</u>	<u>Situation B</u>	<u>Situation C</u>
...conventional?	<input checked="" type="radio"/> <sup>107</sup>	<input checked="" type="radio"/> <sup>207</sup>	<input type="radio"/> <sup>307</sup>
...conservation or minimum till?	<input type="radio"/> <sup>108</sup>	<input type="radio"/> <sup>208</sup>	<input type="radio"/> <sup>308</sup>
...no-till, zero-till or direct seeding?	<input type="radio"/> <sup>109</sup>	<input type="radio"/> <sup>209</sup>	<input checked="" type="radio"/> <sup>309</sup>

**Example**

For "Situation A" and "Situation B", John did one passe of mouldboard plough in the fall and two passes of field cultivator in the spring prior to seeding. He also used a planter for seeding.

For "Situation C", he used an air seeder.

2.08 and 2.09 ....., which implements were used and how many passes were made for each situation?

<u>TILLAGE</u>	<u>Situation A</u>		<u>Situation B</u>		<u>Situation C</u>	
	No. of passes		No. of passes		No. of passes	
	Fall 2004	Spring 2005	Fall 2004	Spring 2005	Fall 2004	Spring 2005
Mouldboard plough.....	1 <sup>110</sup>	<sup>111</sup>	1 <sup>210</sup>	<sup>211</sup>	<sup>310</sup>	<sup>311</sup>
.....						
Field cultivator (9-12" sweeps).....	<sup>122</sup>	2 <sup>123</sup>	<sup>222</sup>	2 <sup>223</sup>	<sup>322</sup>	<sup>323</sup>
.....						
Planter.....	<sup>150</sup>	1 <sup>151</sup>	<sup>250</sup>	1 <sup>251</sup>	<sup>350</sup>	<sup>351</sup>
.....						
Air seeder or air drill.....	<sup>160</sup>	<sup>161</sup>	<sup>260</sup>	<sup>261</sup>	<sup>360</sup>	1 <sup>361</sup>
.....						

## STEP 2: Crop rotation and soil management practices

Identify the different crop rotations (or situations) followed in 2004 and 2005.

	Situation A	Situation B	Situation C
2.00 What crop was harvested in 2005?	<input type="text"/>	<input type="text"/>	<input type="text"/>
2.01 What was the harvested area in 2005?	<input type="text"/>	<input type="text"/>	<input type="text"/>
2.02 What crop was underseeded in 2005?	<input type="text"/>	<input type="text"/>	<input type="text"/>
2.03 What area was underseeded in 2005?	<input type="text"/>	<input type="text"/>	<input type="text"/>
2.04 What crop was harvested in 2004?	<input type="text"/>	<input type="text"/>	<input type="text"/>
2.05 What was the yield for the crop in 2004?	<input type="text"/>	<input type="text"/>	<input type="text"/>
2.06 What unit of measure do you report yield?	<input type="text"/>	<input type="text"/>	<input type="text"/>

2.07 To prepare the land before seeding the crop in 2005 (or fall 2004), would you say the tillage was...

(Check one circle only for each column)

	Situation A	Situation B	Situation C
...conventional?	<input type="radio"/> 107	<input type="radio"/> 207	<input type="radio"/> 307
...conservation or minimum till?	<input type="radio"/> 108	<input type="radio"/> 208	<input type="radio"/> 308
...no-till, zero-till or direct seeding?	<input type="radio"/> 109	<input type="radio"/> 209	<input type="radio"/> 309

2.08 After harvest in 2004 and before seeding, which implements were used and how many passes were made for each situation?

TILLAGE	Situation A		Situation B		Situation C	
	No. of passes		No. of passes		No. of passes	
	Fall	Spring	Fall	Spring	Fall	Spring
	2004	2005	2004	2005	2004	2005
Mouldboard plough.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Heavy duty cultivator/Chisel plow (16-18" sweeps).....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Heavy duty cultivator/Chisel plow with rod weeder.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Heavy duty cultivator/Chisel plow with harrows.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Tandem disc (3" deep or less).....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Tandem disc (more than 3" deep).....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Field cultivator (9-12" sweeps).....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Field cultivator with harrows.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Wide blade cultivator (24" to 60" blades).....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Discer.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Discer with coil packers.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Harrows.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Tine harrows and packer.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Rotary harrow.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Rotary hoe.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Rod weeder.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Soil saver.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Soil ridger.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other tillage, specify on lines below						
366 _____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
367 _____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

2.09 For seeding and before harvesting in 2005, which implements were used and how many passes were made for each situation?

SEEDING/PLANTING/FERTILIZING/SPREADING	Spring/		Spring/		Spring/	
	Fall	Summer	Fall	Summer	Fall	Summer
	2004	2005	2004	2005	2004	2005
Disc drill.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Planter.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Fertilizer spreader (onto surface).....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Fertilizer banding or injector (into soil).....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Manure spreader (onto surface).....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Manure injector (into soil).....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Air seeder or air drill.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other, specify on the lines below						
368 _____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
369 _____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Did you harvest other crops in 2005?.....  01 Yes  02 No ► Go to Step 3 (page 8)

370

## STEP 2: Crop rotation and soil management practices (continued)

Identify the different crop rotations (or situations) followed in 2004 and 2005.

	Situation D	Situation E	Situation F
2.10 What crop was harvested in 2005?	<input type="text"/> 400	<input type="text"/> 500	<input type="text"/> 600
2.11 What was the harvested area in 2005?	<input type="text"/> 401	<input type="text"/> 501	<input type="text"/> 601
2.12 What crop was underseeded in 2005?	<input type="text"/> 402	<input type="text"/> 502	<input type="text"/> 602
2.13 What area was underseeded in 2005?	<input type="text"/> 403	<input type="text"/> 503	<input type="text"/> 603
2.14 What crop was harvested in 2004?	<input type="text"/> 404	<input type="text"/> 504	<input type="text"/> 604
2.15 What was the yield for the crop in 2004?	<input type="text"/> 405	<input type="text"/> 505	<input type="text"/> 605
2.16 What unit of measure do you report yield?	<input type="text"/> 406	<input type="text"/> 506	<input type="text"/> 606

2.17 To prepare the land before seeding the crop in 2005 (or fall 2004), would you say the tillage was... (Check one circle only for each column)

	Situation D	Situation E	Situation F
...conventional?	<input type="radio"/> 407	<input type="radio"/> 507	<input type="radio"/> 607
...conservation or minimum till?	<input type="radio"/> 408	<input type="radio"/> 508	<input type="radio"/> 608
...no-till, zero-till or direct seeding?	<input type="radio"/> 409	<input type="radio"/> 509	<input type="radio"/> 609

2.18 After harvest in 2004 and before seeding, which implements were used and how many passes were made for each situation?

TILLAGE	Situation D		Situation E		Situation F	
	No. of passes		No. of passes		No. of passes	
	Fall	Spring	Fall	Spring	Fall	Spring
	2004	2005	2004	2005	2004	2005
Mouldboard plough.....	<input type="text"/> 410	<input type="text"/> 411	<input type="text"/> 510	<input type="text"/> 511	<input type="text"/> 610	<input type="text"/> 611
Heavy duty cultivator/Chisel plow (16-18" sweeps).....	<input type="text"/> 412	<input type="text"/> 413	<input type="text"/> 512	<input type="text"/> 513	<input type="text"/> 612	<input type="text"/> 613
Heavy duty cultivator/Chisel plow with rod weeder.....	<input type="text"/> 414	<input type="text"/> 415	<input type="text"/> 514	<input type="text"/> 515	<input type="text"/> 614	<input type="text"/> 615
Heavy duty cultivator/Chisel plow with harrows.....	<input type="text"/> 416	<input type="text"/> 417	<input type="text"/> 516	<input type="text"/> 517	<input type="text"/> 616	<input type="text"/> 617
Tandem disc (3" deep or less).....	<input type="text"/> 418	<input type="text"/> 419	<input type="text"/> 518	<input type="text"/> 519	<input type="text"/> 618	<input type="text"/> 619
Tandem disc (more than 3" deep).....	<input type="text"/> 420	<input type="text"/> 421	<input type="text"/> 520	<input type="text"/> 521	<input type="text"/> 620	<input type="text"/> 621
Field cultivator (9-12" sweeps).....	<input type="text"/> 422	<input type="text"/> 423	<input type="text"/> 522	<input type="text"/> 523	<input type="text"/> 622	<input type="text"/> 623
Field cultivator with harrows.....	<input type="text"/> 424	<input type="text"/> 425	<input type="text"/> 524	<input type="text"/> 525	<input type="text"/> 624	<input type="text"/> 625
Wide blade cultivator (24" to 60" blades).....	<input type="text"/> 426	<input type="text"/> 427	<input type="text"/> 526	<input type="text"/> 527	<input type="text"/> 626	<input type="text"/> 627
Discer.....	<input type="text"/> 428	<input type="text"/> 429	<input type="text"/> 528	<input type="text"/> 529	<input type="text"/> 628	<input type="text"/> 629
Discer with coil packers.....	<input type="text"/> 430	<input type="text"/> 431	<input type="text"/> 530	<input type="text"/> 531	<input type="text"/> 630	<input type="text"/> 631
Harrows.....	<input type="text"/> 432	<input type="text"/> 433	<input type="text"/> 532	<input type="text"/> 533	<input type="text"/> 632	<input type="text"/> 633
Tine harrows and packer.....	<input type="text"/> 434	<input type="text"/> 435	<input type="text"/> 534	<input type="text"/> 535	<input type="text"/> 634	<input type="text"/> 635
Rotary harrow.....	<input type="text"/> 436	<input type="text"/> 437	<input type="text"/> 536	<input type="text"/> 537	<input type="text"/> 636	<input type="text"/> 637
Rotary hoe.....	<input type="text"/> 438	<input type="text"/> 439	<input type="text"/> 538	<input type="text"/> 539	<input type="text"/> 638	<input type="text"/> 639
Rod weeder.....	<input type="text"/> 440	<input type="text"/> 441	<input type="text"/> 540	<input type="text"/> 541	<input type="text"/> 640	<input type="text"/> 641
Soil saver.....	<input type="text"/> 442	<input type="text"/> 443	<input type="text"/> 542	<input type="text"/> 543	<input type="text"/> 642	<input type="text"/> 643
Soil ridger.....	<input type="text"/> 444	<input type="text"/> 445	<input type="text"/> 544	<input type="text"/> 545	<input type="text"/> 644	<input type="text"/> 645
Other tillage, specify on lines below						
666 _____	<input type="text"/> 446	<input type="text"/> 447	<input type="text"/> 546	<input type="text"/> 547	<input type="text"/> 646	<input type="text"/> 647
667 _____	<input type="text"/> 448	<input type="text"/> 449	<input type="text"/> 548	<input type="text"/> 549	<input type="text"/> 648	<input type="text"/> 649

2.19 For seeding and before harvesting in 2005, which implements were used and how many passes were made for each situation?

SEEDING/PLANTING/FERTILIZING/SPREADING	Spring/		Spring/		Spring/	
	Fall	Summer	Fall	Summer	Fall	Summer
	2004	2005	2004	2005	2004	2005
Disc drill.....	<input type="text"/> 448	<input type="text"/> 449	<input type="text"/> 548	<input type="text"/> 549	<input type="text"/> 648	<input type="text"/> 649
Planter.....	<input type="text"/> 450	<input type="text"/> 451	<input type="text"/> 550	<input type="text"/> 551	<input type="text"/> 650	<input type="text"/> 651
Fertilizer spreader (onto surface).....	<input type="text"/> 452	<input type="text"/> 453	<input type="text"/> 552	<input type="text"/> 553	<input type="text"/> 652	<input type="text"/> 653
Fertilizer banding or injector (into soil).....	<input type="text"/> 454	<input type="text"/> 455	<input type="text"/> 554	<input type="text"/> 555	<input type="text"/> 654	<input type="text"/> 655
Manure spreader (onto surface).....	<input type="text"/> 456	<input type="text"/> 457	<input type="text"/> 556	<input type="text"/> 557	<input type="text"/> 656	<input type="text"/> 657
Manure injector (into soil).....	<input type="text"/> 458	<input type="text"/> 459	<input type="text"/> 558	<input type="text"/> 559	<input type="text"/> 658	<input type="text"/> 659
Air seeder or air drill.....	<input type="text"/> 460	<input type="text"/> 461	<input type="text"/> 560	<input type="text"/> 561	<input type="text"/> 660	<input type="text"/> 661
Other, specify on the lines below						
668 _____	<input type="text"/> 462	<input type="text"/> 463	<input type="text"/> 562	<input type="text"/> 563	<input type="text"/> 662	<input type="text"/> 663
669 _____	<input type="text"/> 464	<input type="text"/> 465	<input type="text"/> 564	<input type="text"/> 565	<input type="text"/> 664	<input type="text"/> 665

Did you harvest other crops in 2005?.....  01 Yes  02 No ► Go to Step 3 (page 8) 670

## STEP 2: Crop rotation and soil management practices (end)

Identify the different crop rotations (or situations) followed in 2004 and 2005.

	Situation G	Situation H	Situation I
2.20 What crop was harvested in 2005?	<input type="text"/> 700	<input type="text"/> 800	<input type="text"/> 900
2.21 What was the harvested area in 2005?	<input type="text"/> 701	<input type="text"/> 801	<input type="text"/> 901
2.22 What crop was underseeded in 2005?	<input type="text"/> 702	<input type="text"/> 802	<input type="text"/> 902
2.23 What area was underseeded in 2005?	<input type="text"/> 703	<input type="text"/> 803	<input type="text"/> 903
2.24 What crop was harvested in 2004?	<input type="text"/> 704	<input type="text"/> 804	<input type="text"/> 904
2.25 What was the yield for the crop in 2004?	<input type="text"/> 705	<input type="text"/> 805	<input type="text"/> 905
2.26 What unit of measure do you report yield?	<input type="text"/> 706	<input type="text"/> 806	<input type="text"/> 906

2.27 To prepare the land before seeding the crop in 2005 (or fall 2004), would you say the tillage was... (Check one circle only for each column)

	Situation G	Situation H	Situation I
...conventional?	<input type="radio"/> 707	<input type="radio"/> 807	<input type="radio"/> 907
...conservation or minimum till?	<input type="radio"/> 708	<input type="radio"/> 808	<input type="radio"/> 908
...no-till, zero-till or direct seeding?	<input type="radio"/> 709	<input type="radio"/> 809	<input type="radio"/> 909

2.28 After harvest in 2004 and before seeding, which implements were used and how many passes were made for each situation?

TILLAGE	Situation G		Situation H		Situation I	
	No. of passes		No. of passes		No. of passes	
	Fall	Spring	Fall	Spring	Fall	Spring
	2004	2005	2004	2005	2004	2005
Mouldboard plough.....	<input type="text"/> 710	<input type="text"/> 711	<input type="text"/> 810	<input type="text"/> 811	<input type="text"/> 910	<input type="text"/> 911
Heavy duty cultivator/Chisel plow (16-18" sweeps).....	<input type="text"/> 712	<input type="text"/> 713	<input type="text"/> 812	<input type="text"/> 813	<input type="text"/> 912	<input type="text"/> 913
Heavy duty cultivator/Chisel plow with rod weeder.....	<input type="text"/> 714	<input type="text"/> 715	<input type="text"/> 814	<input type="text"/> 815	<input type="text"/> 914	<input type="text"/> 915
Heavy duty cultivator/Chisel plow with harrows.....	<input type="text"/> 716	<input type="text"/> 717	<input type="text"/> 816	<input type="text"/> 817	<input type="text"/> 916	<input type="text"/> 917
Tandem disc (3" deep or less).....	<input type="text"/> 718	<input type="text"/> 719	<input type="text"/> 818	<input type="text"/> 819	<input type="text"/> 918	<input type="text"/> 919
Tandem disc (more than 3" deep).....	<input type="text"/> 720	<input type="text"/> 721	<input type="text"/> 820	<input type="text"/> 821	<input type="text"/> 920	<input type="text"/> 921
Field cultivator (9-12" sweeps).....	<input type="text"/> 722	<input type="text"/> 723	<input type="text"/> 822	<input type="text"/> 823	<input type="text"/> 922	<input type="text"/> 923
Field cultivator with harrows.....	<input type="text"/> 724	<input type="text"/> 725	<input type="text"/> 824	<input type="text"/> 825	<input type="text"/> 924	<input type="text"/> 925
Wide blade cultivator (24" to 60" blades).....	<input type="text"/> 726	<input type="text"/> 727	<input type="text"/> 826	<input type="text"/> 827	<input type="text"/> 926	<input type="text"/> 927
Discer.....	<input type="text"/> 728	<input type="text"/> 729	<input type="text"/> 828	<input type="text"/> 829	<input type="text"/> 928	<input type="text"/> 929
Discer with coil packers.....	<input type="text"/> 730	<input type="text"/> 731	<input type="text"/> 830	<input type="text"/> 831	<input type="text"/> 930	<input type="text"/> 931
Harrows.....	<input type="text"/> 732	<input type="text"/> 733	<input type="text"/> 832	<input type="text"/> 833	<input type="text"/> 932	<input type="text"/> 933
Tine harrows and packer.....	<input type="text"/> 734	<input type="text"/> 735	<input type="text"/> 834	<input type="text"/> 835	<input type="text"/> 934	<input type="text"/> 935
Rotary harrow.....	<input type="text"/> 736	<input type="text"/> 737	<input type="text"/> 836	<input type="text"/> 837	<input type="text"/> 936	<input type="text"/> 937
Rotary hoe.....	<input type="text"/> 738	<input type="text"/> 739	<input type="text"/> 838	<input type="text"/> 839	<input type="text"/> 938	<input type="text"/> 939
Rod weeder.....	<input type="text"/> 740	<input type="text"/> 741	<input type="text"/> 840	<input type="text"/> 841	<input type="text"/> 940	<input type="text"/> 941
Soil saver.....	<input type="text"/> 742	<input type="text"/> 743	<input type="text"/> 842	<input type="text"/> 843	<input type="text"/> 942	<input type="text"/> 943
Soil ridger.....	<input type="text"/> 744	<input type="text"/> 745	<input type="text"/> 844	<input type="text"/> 845	<input type="text"/> 944	<input type="text"/> 945
Other tillage, specify on lines below						
966 _____ .....	<input type="text"/> 746	<input type="text"/> 747	<input type="text"/> 846	<input type="text"/> 847	<input type="text"/> 946	<input type="text"/> 947
967 _____ .....	<input type="text"/> 748	<input type="text"/> 749	<input type="text"/> 848	<input type="text"/> 849	<input type="text"/> 948	<input type="text"/> 949

2.29 For seeding and before harvesting in 2005, which implements were used and how many passes were made for each situation?

SEEDING/PLANTING/FERTILIZING/SPREADING	Situation G		Situation H		Situation I	
	Spring/Summer		Spring/Summer		Spring/Summer	
	Fall	Summer	Fall	Summer	Fall	Summer
	2004	2005	2004	2005	2004	2005
Disc drill.....	<input type="text"/> 748	<input type="text"/> 749	<input type="text"/> 848	<input type="text"/> 849	<input type="text"/> 948	<input type="text"/> 949
Planter.....	<input type="text"/> 750	<input type="text"/> 751	<input type="text"/> 850	<input type="text"/> 851	<input type="text"/> 950	<input type="text"/> 951
Fertilizer spreader (onto surface).....	<input type="text"/> 752	<input type="text"/> 753	<input type="text"/> 852	<input type="text"/> 853	<input type="text"/> 952	<input type="text"/> 953
Fertilizer banding or injector (into soil).....	<input type="text"/> 754	<input type="text"/> 755	<input type="text"/> 854	<input type="text"/> 855	<input type="text"/> 954	<input type="text"/> 955
Manure spreader (onto surface).....	<input type="text"/> 756	<input type="text"/> 757	<input type="text"/> 856	<input type="text"/> 857	<input type="text"/> 956	<input type="text"/> 957
Manure injector (into soil).....	<input type="text"/> 758	<input type="text"/> 759	<input type="text"/> 858	<input type="text"/> 859	<input type="text"/> 958	<input type="text"/> 959
Air seeder or air drill.....	<input type="text"/> 760	<input type="text"/> 761	<input type="text"/> 860	<input type="text"/> 861	<input type="text"/> 960	<input type="text"/> 961
Other, specify on the lines below						
968 _____ .....	<input type="text"/> 762	<input type="text"/> 763	<input type="text"/> 862	<input type="text"/> 863	<input type="text"/> 962	<input type="text"/> 963
969 _____ .....	<input type="text"/> 764	<input type="text"/> 765	<input type="text"/> 864	<input type="text"/> 865	<input type="text"/> 964	<input type="text"/> 965

**STEP 3: Fertilizer banding or injector (into soil)**

3.0 Did you answer using "Fertilizer banding or injector (into soil)" for any of the crops in questions 2.09, 2.19 or 2.29 in Step 2?..... 01  Yes 02  No 970  
 If "No" ► Go to Step 4

3.1 For each crop seeded in 2005, would you say the fertilizer banding or injector ....  
 (Check all that apply)

...disturbed less than 20% of the soil?  971

...disturbed between 20-40% of the soil?  973

...disturbed between 40-70% of the soil?  975

...disturbed more than 70% of the soil?  977

Don't know  979

**Crop seeded in 2005 (or Fall 2004)**  
 If more than one crop, write them all in the box

\_\_\_\_\_ 972

\_\_\_\_\_ 974

\_\_\_\_\_ 976

\_\_\_\_\_ 978

**STEP 4: No-till, zero-till, or direct seeding into undisturbed stubble or sod**

4.0 Did you answer "no-till", "zero-till" or "direct seeding" for any of the crops in questions 2.07, 2.17 or 2.27 in Step 2?..... 01  Yes 02  No 980  
 If "No" ► Go to Step 5

4.1 When was "no-till", "zero-till", or "direct seeding into undisturbed stubble or sod" first used on the land you operate?..... 981  
 Include also seeding done by custom operator on your land

1  Prior to 1990  
 2  Between 1990 and 1994  
 3  Between 1995 and 1999  
 4  After 1999

4.2 For each crop seeded in 2005, would you say the air seeder or air drill ....  
 (Check all that apply)

...disturbed less than 20% of the soil?  982

...disturbed between 20-40% of the soil?  984

...disturbed between 40-70% of the soil?  986

...disturbed more than 70% of the soil?  988

Don't know  990

**Crop seeded in 2005 (or fall 2004)**  
 If more than one crop, write them all in the box

\_\_\_\_\_ 983

\_\_\_\_\_ 985

\_\_\_\_\_ 987

\_\_\_\_\_ 989

**STEP 5: Conservation or minimum tillage**

5.0 Did you answer "conservation" or "minimum till" for any of the crops in questions 2.07, 2.17 or 2.27 in Step 2?..... 01  Yes 02  No 991  
 If "No" ► Go to Step 6

5.1 When was "conservation" or "minimum tillage" practices first used on the land you operated? 992  
 Include also seeding done by custom operator on your land

1  Prior to 1990  
 2  Between 1990 and 1994  
 3  Between 1995 and 1999  
 4  After 1999

**STEP 6: Management of crop residus**

6.0 For each crop harvested in 2005, how were the crop residus managed?

**Were the residus .... (Check all that apply)**

...left on the ground?  993

...chopped and spread?  995

...grazed by livestock?  997

...incorporated into the soil?  999

...baled (straw)?  1001

...collected (chaff portion)?  1009

...burned into piles?  1003

...burned into windrows?  1005

...burned for the whole field?  1007

Other, specify on the line below  1011  
 \_\_\_\_\_ 1013

Not applicable (no crop residu)  1014

**Crop HARVESTED in 2005**  
 If more than one crop, write them all in the box

\_\_\_\_\_ 994

\_\_\_\_\_ 996

\_\_\_\_\_ 998

\_\_\_\_\_ 1000

\_\_\_\_\_ 1002

\_\_\_\_\_ 1010

\_\_\_\_\_ 1004

\_\_\_\_\_ 1006

\_\_\_\_\_ 1008

\_\_\_\_\_ 1012

\_\_\_\_\_ 1015

**STEP 7: Summerfallow (and/or chemfallow)**

7.0 In 2005, was any land area you operated in summerfallow or chemfallow?..... 01  Yes 02  No 1016  
 if "No" ► Go to Step 8

**Identify the different summerfallow practices used in 2005.**

- Use a different column (situation) to report different combinations of fallow methods, tillage implements used in 2005 and crops grown on this field in 2004.
- Include all tillage and spraying practices made by you, a partner, an employee or a custom operator.
- Report fallow practices only for the land you operated (owned, rented, leased or crop-shared FROM OTHERS).

7.1 In 2005, what was the type of summerfallow used? (Check one circle only for each column)

Was it a summerfallow.....	<b>Situation A</b>	<b>Situation B</b>	<b>Situation C</b>
...using <u>tillage only</u> ?	<input type="radio"/> 1100	<input type="radio"/> 1200	<input type="radio"/> 1300
...using <u>tillage and herbicides</u> ?	<input type="radio"/> 1101	<input type="radio"/> 1201	<input type="radio"/> 1301
...using <u>only herbicides</u> (chemfallow)?	<input type="radio"/> 1102	<input type="radio"/> 1202	<input type="radio"/> 1302

7.2 What was the fallow area in 2005?	<input type="text"/>	1103	<input type="text"/>	1203	<input type="text"/>	1303
7.3 What was the crop in 2004?	<input type="text"/>	1103	<input type="text"/>	1203	<input type="text"/>	1303
7.4 What was the yield for the crop in 2004?	<input type="text"/>	1104	<input type="text"/>	1204	<input type="text"/>	1304
7.5 What unit of measure do you report yield?	<input type="text"/>	1105	<input type="text"/>	1205	<input type="text"/>	1305

7.6 After harvest in 2004, which implements were used and how many passes were made for each situation?

<u>PRIMARY TILLAGE</u>	<u>Situation A</u>		<u>Situation B</u>		<u>Situation C</u>	
	<u>No. of passes</u>		<u>No. of passes</u>		<u>No. of passes</u>	
	Fall	Spring/ Summer	Fall	Spring/ Summer	Fall	Spring/ Summer
Mouldboard plough.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Heavy duty cultivator/Chisel plow (16-18" sweeps).....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Heavy duty cultivator/Chisel plow with rod weeder.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Heavy duty cultivator/Chisel plow with harrows.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Tandem disc (3" deep or less).....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Tandem disc (more than 3" deep).....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other, specify on lines below	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1353 .....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1354 .....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

<u>OTHER TILLAGE IMPLEMENTS AND HERBICIDE APPLICATIONS</u>	<u>Situation A</u>		<u>Situation B</u>		<u>Situation C</u>	
	<u>No. of passes</u>		<u>No. of passes</u>		<u>No. of passes</u>	
	Fall	Spring/ Summer	Fall	Spring/ Summer	Fall	Spring/ Summer
Herbicide sprayer (broadcast onto surface).....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Herbicide band sprayer.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Herbicide spreader (granular).....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Herbicide sprayed by airplane or helicopter.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Field cultivator (9-12" sweeps).....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Field cultivator with harrows.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Wide blade cultivator (24" to 60" blades).....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Discer.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Discer with coil packers.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Harrows.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Tine harrows and packer.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Rotary harrow.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Rotary hoe.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Rod weeder.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Soil saver.....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other, specify on lines below	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1355 .....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1356 .....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

