

— Read instructions on back before filling in information below. —

INFORMATION SHEET – COMMERCIAL CROPS

SOIL TESTING LABORATORY – UNIVERSITY OF DELAWARE – NEWARK, DE 19716-2170

1. NAME AND ADDRESSES										LAB USE ONLY														
NAME (Print)					SEND ADDITIONAL REPORT TO: (Print)					LAB #														
ADDRESS					COMPANY NAME					BAG #														
CITY		STATE			ZIP			ADDRESS					REC'D											
TELEPHONE NO.					CITY					STATE					ZIP									
2. SAMPLE AND FIELD IDENTIFICATION																								
FIELD NAME OR NUMBER (Up to 15 characters)										ACRES (to nearest acre)		FIELD LOCATION					DATE SAMPLED (month/day/year)							
												COUNTY												
3. SOIL IDENTIFICATION AND INFORMATION																								
SOIL NAME				SOIL DRAINAGE (X)				TEXTURE (X)				COLOR (X)				SAMPLE DEPTH								
From soil survey or conservation plan, obtain soil name (e.g., Woodstown sandy loam) OR map unit symbol (e.g., Wo) for soil occupying largest area of field.				<input type="checkbox"/> Well				<input type="checkbox"/> Loamy Sand				<input type="checkbox"/> Normal (light brown)				to (inches) to (inches) <input type="checkbox"/> Surface 2 inches for herbicide activity in no-till.								
				<input type="checkbox"/> Moderately Well				<input type="checkbox"/> Sandy Loam				<input type="checkbox"/> Gray												
				<input type="checkbox"/> Somewhat Poorly				<input type="checkbox"/> Loam				<input type="checkbox"/> Black												
				<input type="checkbox"/> Poorly				<input type="checkbox"/> Silt Loam																
4. CROPS GROWN					5. TILLAGE AND COVER					6. IRRIGATION					7. MANURE									
Enter crop codes from back of sheet in blocks below.					TILLAGE (X)					Is this crop TO BE IRRIGATED?(X)					TIME OF MANURE APPLICATION (X)									
LAST CROP		CROP TO BE GROWN			<input type="checkbox"/> Conventional plow					<input type="checkbox"/> Yes <input type="checkbox"/> No					<input type="checkbox"/> None <input type="checkbox"/> Fall									
<div></div>		<div></div>			<input type="checkbox"/> Chisel plow					TYPE OF SYSTEM (X)					RATE (tons/acre)									
<div></div>		<div></div>			<input type="checkbox"/> Disk only																			
<div></div>		<div></div>			<input type="checkbox"/> No-till					<input type="checkbox"/> Pivot					<input type="checkbox"/> Spring									
<div></div>		<div></div>			<input type="checkbox"/> Gun					INJECTION PUMP?					TYPE OF MANURE (X)									
<div></div>		<div></div>			<input type="checkbox"/> Trickle																			
<div></div>		<div></div>			<input type="checkbox"/> Other					<input type="checkbox"/> Yes <input type="checkbox"/> No					<input type="checkbox"/> Cow									
Estimate YIELD OF LAST CROP (X)		Enter additional crop code if an alternative recommendation is needed.			Place COVER CODE from back of sheet in blocks below.										<input type="checkbox"/> Horse									
<input type="checkbox"/> Bushels		1. <div></div> 2. <div></div>			<div></div>										<input type="checkbox"/> Poultry, crusted									
<input type="checkbox"/> Boxes															<input type="checkbox"/> Poultry, clean-out									
<input type="checkbox"/> Cwt.															<input type="checkbox"/> Sheep									
<input type="checkbox"/> Pounds															<input type="checkbox"/> Swine									
<input type="checkbox"/> Tons																								
8. LAST FERTILIZER USE					9. PREVIOUS LIME USE					10. FERTILIZER APPLICATION METHODS														
<div></div> N P ₂ O ₅ K ₂ O (lbs/acre)					MONTHS since lime was last applied (X)					RATE of last application					Fertilizer will be applied AT OR BEFORE PLANTING (X)					If SIDEDRESSING, give method (X)				
When Applied					<input type="checkbox"/> 0-6 months					TONS/A to nearest half ton					<input type="checkbox"/> Broadcast					<input type="checkbox"/> Dry, between rows				
					<input type="checkbox"/> 7-12 months					TYPE of lime used (X)					<input type="checkbox"/> Preemergence spray					<input type="checkbox"/> Dribble				
					<input type="checkbox"/> 13-18 months										<input type="checkbox"/> High magnesium					<input type="checkbox"/> Banded, dry				
OTHER NUTRIENTS applied (X)					<input type="checkbox"/> 18 + months					<input type="checkbox"/> High calcium					<input type="checkbox"/> Banded, liquid									
<input type="checkbox"/> Sulfur <input type="checkbox"/> Boron					<input type="checkbox"/> Never					other										other				
<input type="checkbox"/> Manganese <input type="checkbox"/> Zinc					<input type="checkbox"/> Unknown																			
11. SOIL TESTS DESIRED — Enclose Proof of Purchase										12. COMMENTS (see item 12 on back of sheet)														
<input type="checkbox"/> Routine \$ 12.00 (pH, Buffer pH, P, K, Mg, Ca, Mn, Zn, B, S, PSR, Organic Matter)																								
<input type="checkbox"/> Soluble Salts.....\$ 6.00																								

INSTRUCTIONS FOR SOIL TEST INFORMATION SHEET

Please fill out information sheet carefully and as completely as possible. The more information provided, the better the fertilizer recommendation. *Use one information sheet per sample and include all information on each sheet.*

1. **Names and Addresses** — Clearly print grower's name, address and zip code in first box. Second box is for commercial representatives, ASCS offices or others who should receive a report copy.
2. **Sample and Field Identification** — FIELD NAME is your field identification (can be name, numbers, or both). Record field size to nearest acre. Enter county in which field is located and date field is sampled.
3. **Soil Identification and Information** — From a county soil survey or farm conservation plan, obtain SOIL NAME or map unit symbol for soil occupying largest portion of field. If both are available, the map unit symbol is preferred. Two or more contrasting soil types occupying large, distinct areas should be sampled separately. Judge SOIL DRAINAGE, TEXTURE and COLOR as accurately as possible and check appropriate box. Under SAMPLE DEPTH, indicate starting and ending depths, e.g., 0" to 8", 8" to 16", etc. If sample is a surface 2" sample for assessing herbicide activity problems in no-till, check no-till box.
4. **Crops Grown** — Enter 3-letter CROP CODE for LAST CROP and CROP TO BE GROWN in blocks; e.g., /C/O/C/ for conventional tillage field corn. See crop code list below. If other additional crops are being considered, request alternative recommendation by filling 3-letter boxes under CROP TO BE GROWN. Enter estimated YIELD OF LAST CROP where indicated. Check box indicating units (bushels, boxes, etc.).
5. **Tillage and Cover** — Check box under TILLAGE which best describes plans for tilling NEXT CROP. Enter 3-letter COVER CODE for CURRENT COVER in blocks. This is especially important for no-till recommendations.
6. **Irrigation** — Check boxes to indicate if crop is to be irrigated, and what type of system will be used. *This extremely important information markedly affects yield potential and thus fertilizer recommendations.* Indicate if injection pump will be used for fertilizer applications.
7. **Manure** — If manure was, or will be, applied indicate type (poultry, swine, etc.), time of application and estimate rate in tons/acre. Only general recommendations can be made by this laboratory. For more precise recommendations for different handling systems and application methods, and for information regarding analysis of manure samples, contact your county Extension office.
8. **Last Fertilizer Use** — Record rate of N, P₂O₅ and K₂O applied most recently to field and when applied. Generally, this should represent total fertilizer applied to the previous crop. However, for double-cropped small grains and soybeans sampled in winter, record amount of fertilizer applied to small grains in fall.
9. **Previous Lime Use** — Indicate when lime was applied to field, as well as rate and type. *This is important* because your current need for lime can be reduced if lime was recently applied.

10. **Fertilizer Application Methods** — Indicate how fertilizer will be applied at planting. If crop will be sidedressed (primarily with nitrogen), check box describing method of application. Check more than one box if necessary.
11. **Soil Tests Desired** — Be sure that the tests desired are checked in this section. If special tests are needed, purchase them in advance at county Extension office, which will issue a receipt for amount required. Copy of receipt must be placed in envelope along with this information sheet.
12. **Comments** — If sample comes from problem area, describe problems including plant appearance and color, yield, etc. Also include information you feel is important that is not covered on the information sheet.

Taking Soil Samples

A pamphlet describing proper sampling techniques is provided with each purchase of soil testing bags at county Extension offices.

Submitting Samples

All samples must be submitted in cloth bags provided by the University of Delaware Soil Testing Laboratory. These bags are sold at county Extension offices (see below) for \$10.00. Laboratory will accept no soil samples in other bags. This indicates that charge for routine analysis has been paid. See section 11 above about purchasing special tests. Soil samples may be left at county Extension offices, or mailed to SOIL TESTING LABORATORY, TOWNSEND HALL, UNIVERSITY OF DELAWARE, NEWARK, DE 19716-2170. Please use plastic liner.

Return of Results and Suggested Fertilizer Program

Soil test results and fertilizer program suggestions are returned directly to grower. A copy is also mailed to local ASCS office or company representative when requested. A copy is automatically mailed to your county Extension agent. Normally, the soil test report should be received within 14-18 days of submission of samples. However, allow more time in November, December, March and April. These are especially busy months for the soil testing lab.

Inquiries About Samples

Address inquiries about sample results and recommendations to local county Extension office. Providing the Bag Number of submitted samples is often helpful.

County Extension Offices

New Castle County: 461 Wyoming Road, Newark, DE 19716, (302) 831-2506.

Kent County: 69 Transportation Circle, Dover, DE 19901, (302) 730-4000.

Sussex County: Carvel Research and Education Center, 16483 County Seat Highway, Georgetown, DE 19947, (302) 856-7303.

CROP CODE LIST

Code	Name	Code	Name
GRAIN CROPS		VEGETABLE CROPS	
BAR	Barley	ASN	Asparagus, new beds
BRS	Barley-Soybeans, doublecropped	ACN	Asparagus, cutting non-hybrid
COC	Corn, conventional tillage	ACH	Asparagus, cutting hybrid
CON	Corn, no-till	BEL	Beans, Lima
OAT	Oats	BEN	Beans, Snap
RYE	Rye	BEE	Beets
SOC	Soybeans, conventional tillage	BRO	Broccoli
SON	Soybeans, full season no-till	BSP	Brussels Sprouts
SOG	Grain Sorghum	CAB	Cabbage
SFL	Sunflowers	CRT	Carrots
WHT	Wheat	CAU	Cauliflower
WTS	Wheat-Soybeans, doublecropped	CEL	Celery
	HAY, FORAGE, AND PASTURE CROPS	COL	Collards
ALS	Alfalfa, seeding	CUK	Cucumbers
ALT	Alfalfa, topdressing	EGG	Eggplant
CSI	Corn Silage	HSH	Horseradish
GCS	Grass or Grass/Clover Pasture, seeding	KAL	Kale
GCT	Grass or Grass/Clover Pasture, topdressing	LEE	Leeks
SOS	Sorghum Silage	LET	Lettuce
SUM	Sudan or Millet	MXV	Mixed Vegetables
WCB	White Clover/Bluegrass Pasture, topdressing	MEL	Muskmelons
		ONB	Onions, Bulb
		ONS	Onions, Scallion
		PAR	Parsley
		PSP	Parsnips
		PEA	Peas
		PEL	Peas/Lima Beans, doublecropped

NURSERY CROPS-FIELD GROWN

Code	Name
DSB	Deciduous Shrubs
EVB	Broadleaf Evergreens
EVN	Needle Evergreens
TRS	Deciduous Trees
XMS	Christmas Trees

COVER CODE LIST

Code	Name
FAL	Fallow
CST	Corn or Sorghum Stubble
BST	Soybean Stubble
SGS	Small Grain Stubble
VET	Hairy Vetch
AWP	Austrian Peas
CCL	Crimson Clover
OAT	Oats
RYE	Rye
RYG	Ryegrass
ASD	Alfalfa Sod
GLS	Grass/Clover Sod, greater than 50% clover
GSD	Grass/Clover Sod, less than 50% clover

Code	Name
PES	Peas/Snap Beans, doublecropped
PEP	Peppers
POS	Potatoes, White, scab resistant
PON	Potatoes, White, non-scab resistant
POR	Potatoes, Russet
PSW	Potatoes, Sweet
PUM	Pumpkins
RAD	Radishes
RUT	Rutabaga
SPN	Spinach
SQU	Squash
SWC	Sweet Corn
TOM	Tomatoes
TUR	Turnips
WMN	Watermelon
FRUIT CROPS	
APL	Apples
BLU	Blueberries
BRM	Brambles
CHR	Cherries
GRA	Grapes
PAR	Pears
PLU	Plums
PNC	Peaches, Nectarines
STR	Strawberries

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1. NAME AND ADDRESSES		2. SAMPLE AND FIELD IDENTIFICATION		3. SOIL IDENTIFICATION AND INFORMATION		4. CROPS GROWN		5. TILLAGE AND COVER		6. IRRIGATION		7. MANURE		8. LAST FERTILIZER USE		9. PREVIOUS LIME USE		10. FERTILIZER APPLICATION METHODS		11. SOIL TESTS DESIRED — Enclose Proof of Purchase		12. COMMENTS (see item 12 on back of sheet)																											
LAB USE ONLY LAB # _____ BAG # _____ RECD _____		NAME (Print) _____ ADDRESS _____ CITY STATE ZIP _____		TELEPHONE NO. _____ CITY STATE ZIP _____		FIELD NAME OR NUMBER (Up to 15 characters) _____		ACRES (to nearest acre) _____		FIELD LOCATION COUNTY _____ DATE SAMPLED (month/day/year) _____		SOIL NAME From soil survey or conservation plan, obtain soil name (e.g., Woodstown sandy loam) OR map unit symbol (e.g., Wo) for soil occupying largest area of field. _____		SOIL DRAINAGE (X) <input type="checkbox"/> Well <input type="checkbox"/> Moderately Well <input type="checkbox"/> Somewhat Poorly <input type="checkbox"/> Poorly		TEXTURE (X) <input type="checkbox"/> Loamy Sand <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Loam <input type="checkbox"/> Silt Loam		COLOR (X) <input type="checkbox"/> Normal (light brown) <input type="checkbox"/> Gray <input type="checkbox"/> Black		SAMPLE DEPTH _____ to _____ (inches) <input type="checkbox"/> Surface 2 inches for herbicide activity in no-till.		LAST CROP _____ back of sheet in blocks from Enter crop codes from		LAST CROP (X) <input type="checkbox"/> Bushels <input type="checkbox"/> Boxes <input type="checkbox"/> Cwt. <input type="checkbox"/> Pounds <input type="checkbox"/> Tons Yield (per acre)		Estimate YIELD OF LAST CROP (X) Enter additional crop code if an alternative recommendation is needed. 1. _____ 2. _____		TILLAGE (X) <input type="checkbox"/> Conventional plow <input type="checkbox"/> Chisel plow <input type="checkbox"/> Disk only <input type="checkbox"/> No-till		COVER CODE from back of sheet in blocks _____		INJECTION PUMP? <input type="checkbox"/> Yes <input type="checkbox"/> No TYPE OF SYSTEM (X) <input type="checkbox"/> Gun <input type="checkbox"/> Trickle <input type="checkbox"/> Other TYPE OF MANURE (X) <input type="checkbox"/> Cow <input type="checkbox"/> Horse <input type="checkbox"/> Poultry, crusted <input type="checkbox"/> Poultry, clean-out <input type="checkbox"/> Sheep <input type="checkbox"/> Swine		RATE of last application TONS/A to nearest half ton TYPE of lime used (X) <input type="checkbox"/> High magnesium <input type="checkbox"/> High calcium <input type="checkbox"/> other		Fertilizer will be applied AT OR BEFORE PLANTING (X) <input type="checkbox"/> Broadcast <input type="checkbox"/> Preemergence spray <input type="checkbox"/> Banded, dry <input type="checkbox"/> Banded, liquid		IF SIDEDRESSING, give method (X) <input type="checkbox"/> Dry, between rows <input type="checkbox"/> Dribble <input type="checkbox"/> Through irrigation system <input type="checkbox"/> other		MONTHS since lime was last applied (X) <input type="checkbox"/> 0-6 months <input type="checkbox"/> 7-12 months <input type="checkbox"/> 13-18 months <input type="checkbox"/> 18+ months <input type="checkbox"/> Never <input type="checkbox"/> Unknown		OTHER NUTRIENTS applied (X) When Applied _____ N P ₂ O ₅ K ₂ O _____		Sulfur <input type="checkbox"/> Manganese <input type="checkbox"/> Zinc <input type="checkbox"/> Boron <input type="checkbox"/>		Routine _____ \$10.00 (pH, Buffer pH, P, K, Mg, Ca, Mn, Zn, B, S, PSR, Organic Matter) Soluble Salts _____ \$4.00		_____ _____ _____	

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- Crops Grown** — Enter 3-letter CROP CODE for LAST CROP and CROP TO BE GROWN in blocks; e.g., C/O/C/ for conventional tillage field corn. See crop code list below. If other additional crops are being considered, request alternative recommendation by filling 3-letter boxes under CROP TO BE GROWN. Enter estimated YIELD OF LAST CROP where indicated. Check box indicating units (bushels, boxes, etc.).
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- Irrigation** — Check boxes to indicate if crop is to be irrigated, and what type of system will be used. This extremely important information markedly affects yield potential and thus fertilizer recommendations. Indicate if injection pump will be used for fertilizer applications.
- Manure** — If manure was, or will be, applied indicate type (poultry, swine, etc.), time of application and estimate rate in tons/acre. Only general recommendations can be made by this laboratory. For more precise recommendations for different handling systems and application methods, and for information regarding analysis of manure samples, contact your county Extension office.
- Last Fertilizer Use** — Record rate of N, P₂O₅ and K₂O applied most recently to field and when applied. Generally, this should represent total fertilizer applied to the previous crop. However, for double-cropped small grains and soybeans sampled in winter, record amount of fertilizer applied to small grains in fall.
- Previous Lime Use** — Indicate when lime was applied to field, as well as rate and type. This is important because your current need for lime can be reduced if lime was recently applied.

CROP CODE LIST

Code	Name	Code	Name	Code	Name
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BRS	Barley-Soybeans, doublecropped	ACN	Asparagus, cutting	BEL	Beans, Lima
CON	Corn, no-till	ASN	Asparagus, new beds	BEN	Beans, Snap
COO	Corn, conventional tillage	ACH	Asparagus, cutting	BEE	Beets
SOC	Soybeans, conventional tillage	ACN	Asparagus, cutting	BRO	Broccoli
SON	Soybeans, full season	BSP	Brussels Sprouts	CAB	Cabbage
SOG	Grain Sorghum	CRT	Carrots	CAU	Cauliflower
SFL	Sunflowers	CEL	Celery	COL	Collards
WHT	Wheat	CUK	Cucumbers	EGG	Eggplant
WTS	Wheat-Soybeans, doublecropped	EGG	Eggplant	HSH	Horseradish
ALS	Alfalfa, seeding	KAL	Kale	LET	Lettuce
ALT	Alfalfa, topdressing	LEE	Leeks	BLU	Blueberries
CSI	Corn Silage	MXV	Mixed Vegetables	CHM	Cherries
GCS	Grass or Grass/Clover	MEL	Muskmelons	GRA	Grapes
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SOS	Sorghum Silage	PAR	Parsley	PSP	Parsnips
SUM	Sudan or Millet	PEA	Peas	PEL	Peas/Lima Beans, doublecropped
WCB	White Clover/Bluegrass	PEL	Peas/Lima Beans, doublecropped		

Code Name

FRUIT CROPS

Code	Name	Code	Name	Code	Name
PES	Peas/Snap Beans, doublecropped	PEP	Peppers	POS	Potatoes, White, scab resistant
PON	Potatoes, White, non-scab resistant	POR	Potatoes, Russet	PSW	Potatoes, Sweet
PUM	Pumpkins	RAD	Radishes	RUT	Rutabaga
SPN	Spinach	SQU	Squash	SWC	Sweet Corn
TOM	Tomatoes	TUR	Turnips	WMN	Watermelon
APL	Apples	BLU	Blueberries	BRM	Brambles
CHM	Cherries	GRA	Grapes	PNC	Peaches, Nectarines
PAR	Parsnips	PLU	Plums	STR	Strawberries

Code Name

NURSERY CROPS-FIELD GROWN

Code	Name	Code	Name
DSB	Deciduous Shrubs	EVB	Broadleaf Evergreens
EVN	Needle Evergreens	TRS	Deciduous Trees
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Code Name

COVER CODE LIST

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RYE	Rye	RYG	Ryegrass
ASD	Alfalfa Sod	GLS	Grass/Clover Sod, greater than 50% clover
GSD	Grass/Clover Sod, less than 50% clover		

Code Name

- Fertilizer Application Methods** — Indicate how fertilizer will be applied at planting. If crop will be sidedressed (primarily with nitrogen), check box describing method of application. Check more than one box if necessary.
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Kent County: 69 Transportation Circle, Dover, DE 19901. (302) 730-4000.
Sussex County: University of Delaware Research and Education Center, 16684 County Seat Highway, Georgetown, DE 19947. (302) 856-7303.