

**SOIL TEST REPORT**  
 UNIVERSITY OF DELAWARE — SOIL TESTING LABORATORY  
 NEWARK, DELAWARE 19717-1303



**BACKGROUND INFORMATION:** Grower copy

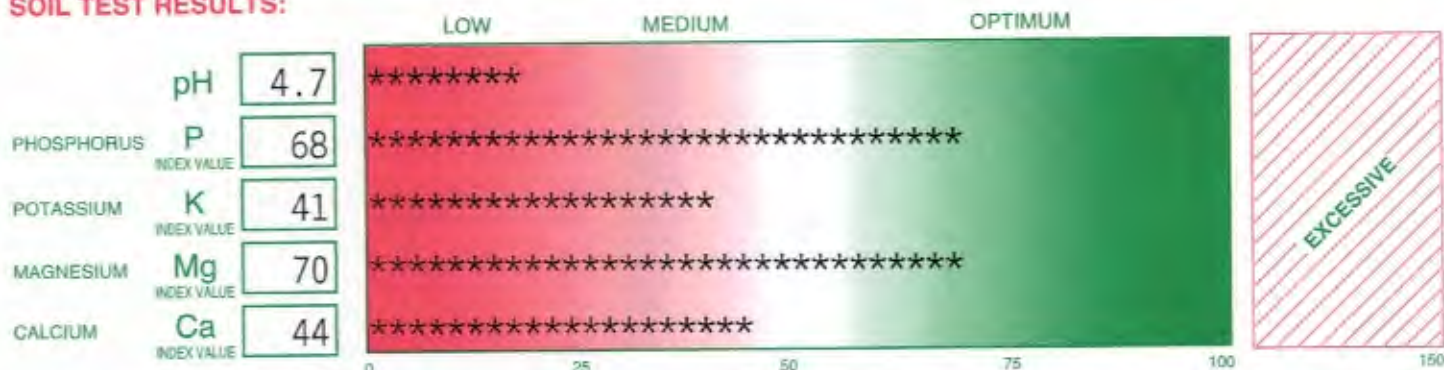
WETLANDS		NEW CASTLE	12/05/16	12/05/16	12/13/16	1411	602093
FIELD NAME OR NO.	ACRES	COUNTY	DATE SAMPLED	DATE RECEIVED	DATE COMPLETE	LAB NO.	BAG NO.

<b>SOIL TEST FOR: GROWER</b>	<b>ADDITIONAL COPY TO:</b>	<b>COUNTY AGENT</b>
	JAMES MEEK 30 THE STRAND NEW CASTLE, DE 19720	CARRIE MURPHY NEW CASTLE CO. EXT. 461 WYOMING RD. NEWARK, DE 19716-1303 302-831-2506

SOIL NAME	SOIL DRAINAGE	SOIL COLOR	SOIL TEXTURE	SAMPLE DEPTH	TILLAGE	PRESENT COVER	IRRIGATION	INJ PUMP
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LAST CROP	YIELD OF LAST CROP	TYPE	T/A WHEN MANURE	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	MOS. AGO	T/A LAST LIME	TYPE	OTHER NUTRIENTS
							NEVER			

**SOIL TEST RESULTS:**



0.5	25.5	12.4	35.6	6.7		7.48	17.1	7.0	69.3	1
B	Mn	Zn	SO <sub>4</sub> -S	% ORGANIC MATTER	SOL SALTS MMHOS/CM	BUFFER pH	% Phosphorus Saturation	CEC meq/100gm	% Base Saturation	ENCLOSURES

**SUGGESTED FERTILIZER PROGRAM:**

**CROP:** WARM SEASON GRASSES AND WILDFLOWER MIXES

**YIELD GOAL:** N/A

***** SEE BELOW *****						
T/A	LIME	TYPE	N LBS/A	P <sub>2</sub> O <sub>5</sub> LBS/A	K <sub>2</sub> O LBS/A	S LBS/A
						B LBS/A

- Apply 125 lbs lime per 1000 square feet. Lime will be most effective if broadcast and incorporated. If surface applying the lime, you may prefer to split the recommended rate into multiple applications of 40-50 lbs/1000 square feet each and apply several months apart until the full rate has been applied.
- Although warm season grasses and many wildflowers grow well on soils with low fertility, establishing optimum soil P and K levels at or prior to seeding will improve stand vigor and longevity. Apply 0.75 lbs K<sub>2</sub>O per 1000 square feet [e.g., 1.25 lbs muriate of potash (0-0-60)] and broadcast over the soil surface at or prior to planting.
- Soil test P is in the optimum range so no additional phosphate is needed at this time.
- For late summer plantings, a small amount of N (~0.5 lb N per 1000 square feet) may be beneficial and help improve stand establishment.
- For spring plantings, do not apply nitrogen at planting as it will encourage weed growth. Instead, wait until the plants are 2-4 inches tall. If weed pressure is low at this time, broadcast 1 to 1.25 lbs N/1000 square feet
- In subsequent years once the stand has been established, apply 1 to 1.25 lbs N per 1000 square feet in late May or early June after growth has reached 6 inches or more.
- For further assistance, contact your local cooperative extension office or visit the University of Maryland Extension website at <http://extension.umd.edu/hgic/attracting-wildlife>

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 NEWARK, DELAWARE 19717-1303



**BACKGROUND INFORMATION:**

Grower copy

TOP		NEW CASTLE	12/04/16	12/05/16	12/13/16	1412	602094
FIELD NAME OR NO.	ACRES	COUNTY	DATE SAMPLED	DATE RECEIVED	DATE COMPLETE	LAB NO.	BAG NO.

SOIL TEST FOR: **GROWER**

ADDITIONAL COPY TO:

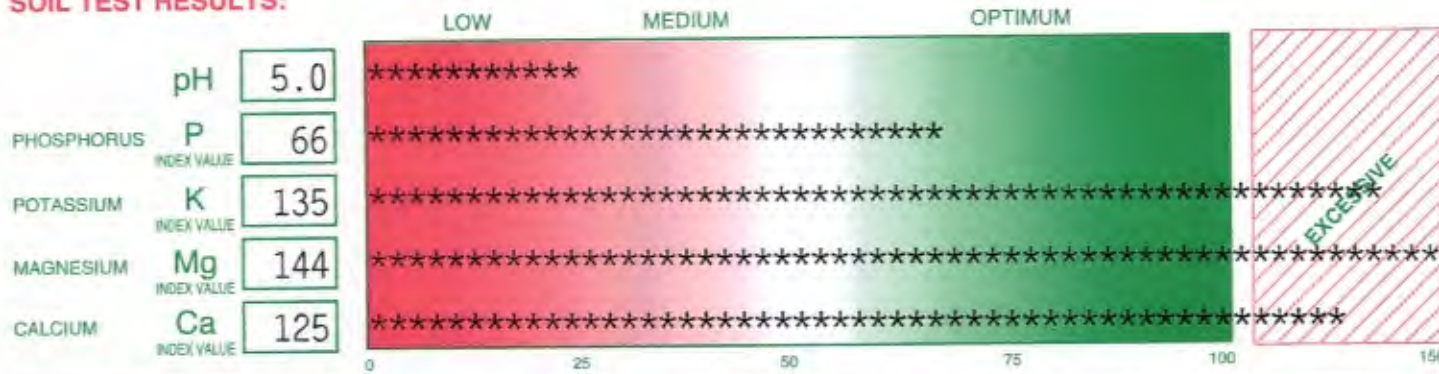
COUNTY AGENT

	JAMES MEEK 30 THE STRAND NEW CASTLE, DE 19720	CARRIE MURPHY NEW CASTLE CO. EXT. 461 WYOMING RD. NEWARK, DE 19716-1303 302-831-2506
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SOIL NAME	SOIL DRAINAGE	SOIL COLOR	SOIL TEXTURE	SAMPLE DEPTH	TILLAGE	PRESENT COVER	IRRIGATION	INJ PUMP
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LAST CROP	YIELD OF LAST CROP	TYPE	T/A WHEN MANURE	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	MOS. AGG	T/A LAST LIME	TYPE	OTHER NUTRIENTS
								NEVER		

**SOIL TEST RESULTS:**



1.4	30.9	42.9	15.7	4.8		7.63	20.4	7.0	69.3	1
B	Mn	Zn	SO <sub>4</sub> -S	% ORGANIC MATTER	SOL. SALTS MMHOS/CM	BUFFER pH	% Phosphorus Saturation	CEC meq/100gm	% Base Saturation	ENCLOSURES

**SUGGESTED FERTILIZER PROGRAM:**

**CROP:** WARM SEASON GRASSES AND WILDFLOWER MIXES

**YIELD GOAL:** N/A

***** SEE BELOW *****						
T/A	TYPE	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	B
	LIME	LBS/A	LBS/A	LBS/A	LBS/A	LBS/A

- Apply 75 lbs lime per 1000 square feet. Lime will be most effective if broadcast and incorporated. If surface applying the lime, you may prefer to split the recommended rate into multiple applications of 30-40 lbs/1000 square feet each and apply several months apart until the full rate has been applied.
- Soil test P is in the optimum range. No additional phosphate is needed at this time.
- Soil test K is in the optimum range so no additional potash is needed at this time.
- For late summer plantings, a small amount of N (~0.5 lb N per 1000 square feet) may be beneficial and help improve stand establishment.
- For spring plantings, do not apply nitrogen at planting as it will encourage weed growth. Instead, wait until the plants are 2-4 inches tall. If weed pressure is low at this time, broadcast 1 to 1.25 lbs N/1000 square feet
- In subsequent years once the stand has been established, apply 1 to 1.25 lbs N per 1000 square feet in late May or early June after growth has reached 6 inches or more.
- For further assistance, contact your local cooperative extension office or visit the University of Maryland Extension website at <http://extension.umd.edu/hgic/attracting-wildlife>

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**BACKGROUND INFORMATION:**

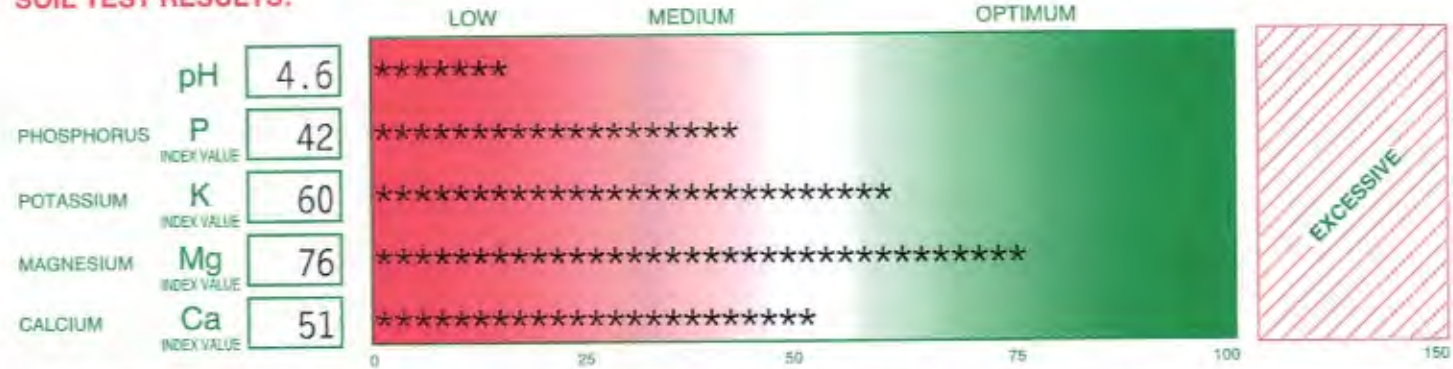
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RIGHT SIDE		NEW CASTLE	12/04/16	12/05/16	12/13/16	1413	602095
FIELD NAME OR NO.	ACRES	COUNTY	DATE SAMPLED	DATE RECEIVED	DATE COMPLETE	LAB NO.	BAG NO.

<b>SOIL TEST FOR: GROWER</b>	<b>ADDITIONAL COPY TO:</b>	<b>COUNTY AGENT</b>
	JAMES MEEK 30 THE STRAND NEW CASTLE, DE 19720	CARRIE MURPHY NEW CASTLE CO. EXT. 461 WYOMING RD. NEWARK, DE 19716-1303 302-831-2506

SOIL NAME	SOIL DRAINAGE	SOIL COLOR	SOIL TEXTURE	SAMPLE DEPTH	TILLAGE	PRESENT COVER	IRRIGATION	WELL PUMP	
						NEVER			
LAST CROP	YIELD OF LAST CROP	TYPE	T/A WHEN MANURE	N LAST FERTILIZER	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	MOS. ADD LAST LIME	T/A TYPE	OTHER NUTRIENTS

**SOIL TEST RESULTS:**



0.6	67.9	12.2	37.3	3.6		7.47	12.6	7.0	69.3	1
B	Mn LBS/ACRE	Zn	SO <sub>4</sub> -S	% ORGANIC MATTER	SOL SALTS MMHDS/CM	BUFFER pH	% Phosphorus Saturation	CEC meq/100gm	% Base Saturation	ENCLOSURES

**SUGGESTED FERTILIZER PROGRAM:**

**CROP:** WARM SEASON GRASSES AND WILDFLOWER MIXES  
**YIELD GOAL:** N/A

***** SEE BELOW *****						
T/A	LIME	TYPE	N LBS/A	P <sub>2</sub> O <sub>5</sub> LBS/A	K <sub>2</sub> O LBS/	S LBS/A B LBS/A

- Apply 125 lbs lime per 1000 square feet. Lime will be most effective if broadcast and incorporated. If surface applying the lime, you may prefer to split the recommended rate into multiple applications of 40-50 lbs/1000 square feet each and apply several months apart until the full rate has been applied.
- Although warm season grasses and many wildflowers grow well on soils with low fertility, establishing optimum soil P and K levels at or prior to seeding will improve stand vigor and longevity. Apply 0.75 lbs P<sub>2</sub>O<sub>5</sub> per 1000 square feet [e.g., 1.6 lbs triple super phosphate (0-46-0)] and mix in to the soil surface at or prior to planting.
- Soil test K is in the optimum range so no additional potash is needed at this time.
- For late summer plantings, a small amount of N (~0.5 lb N per 1000 square feet) may be beneficial and help improve stand establishment.
- For spring plantings, do not apply nitrogen at planting as it will encourage weed growth. Instead, wait until the plants are 2-4 inches tall. If weed pressure is low at this time, broadcast 1 to 1.25 lbs N/1000 square feet
- In subsequent years once the stand has been established, apply 1 to 1.25 lbs N per 1000 square feet in late May or early June after growth has reached 6 inches or more.
- For further assistance, contact your local cooperative extension office or visit the University of Maryland Extension website at <http://extension.umd.edu/hgic/attracting-wildlife>

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NEWARK, DELAWARE 19717-1303



**BACKGROUND INFORMATION:**

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BOTTOM		NEW CASTLE	12/04/16	12/05/16	12/13/16	1414	602096
FIELD NAME OR NO.	ACRES	COUNTY	DATE SAMPLED	DATE RECEIVED	DATE COMPLETE	LAB NO.	BAG NO.

SOIL TEST FOR: **GROWER**

ADDITIONAL COPY TO:

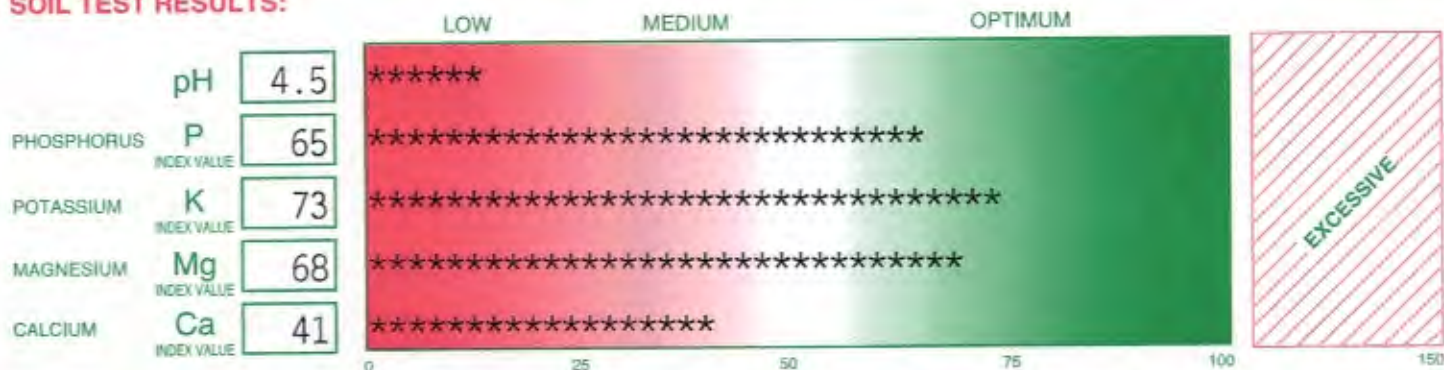
COUNTY AGENT

	JAMES MEEK 30 THE STRAND NEW CASTLE, DE 19720	CARRIE MURPHY NEW CASTLE CO. EXT. 461 WYOMING RD. NEWARK, DE 19716-1303 302-831-2506
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SOIL NAME	SOIL DRAINAGE	SOIL COLOR	SOIL TEXTURE	SAMPLE DEPTH	TILLAGE	PRESENT COVER	IRRIGATION	W/ PLUMP
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LAST CROP	YIELD OF LAST CROP	TYPE	T/A WHEN MANURE	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	MOS. AGO	T/A LAST LIME	TYPE	OTHER NUTRIENTS
							NEVER			

**SOIL TEST RESULTS:**



0.4	24.6	19.4	25.6	2.7		7.45	15.5	7.0	69.3	1
B	Mn	Zn	SO <sub>4</sub> -S	% ORGANIC MATTER	SOL SALTS MMHOS/CM	BUFFER pH	% Phosphorus Saturation	CEC mgq/100gm	% Base Saturation	ENCLOSURES

**SUGGESTED FERTILIZER PROGRAM:**

**CROP:** WARM SEASON GRASSES AND WILDFLOWER MIXES

**YIELD GOAL:** N/A

***** SEE BELOW *****						
T/A	TYPE	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	B
	LIME	LBS/A	LBS/A	LBS/	LBS/A	LBS/A

- Apply 125 lbs lime per 1000 square feet. Lime will be most effective if broadcast and incorporated. If surface applying the lime, you may prefer to split the recommended rate into multiple applications of 40-50 lbs/1000 square feet each and apply several months apart until the full rate has been applied.
- Soil test P is in the optimum range. No additional phosphate is needed at this time.
- Soil test K is in the optimum range so no additional potash is needed at this time.
- For late summer plantings, a small amount of N (~0.5 lb N per 1000 square feet) may be beneficial and help improve stand establishment.
- For spring plantings, do not apply nitrogen at planting as it will encourage weed growth. Instead, wait until the plants are 2-4 inches tall. If weed pressure is low at this time, broadcast 1 to 1.25 lbs N/1000 square feet
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