

DMAP Reports - Old Pearl Game Mgt. - 2020

Introductory Comments

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Thank you for participating in the Deer Management Assistance Program (DMAP) and for your dedication to deer management in Mississippi for over 30 years. As always, we appreciate your partnership in collecting and managing this data set and we hope that you are able to benefit from DMAP in achieving your deer management objectives.

Data collection for the 2020-2021 season was excellent as usual. No missing jawbones and no missing data.

DOE HARVEST:

- 100% of the doe harvest recommendations were met. Great job.
- Doe body weights increased near the regional average. Hopefully with the increased doe harvest we'll start seeing this continue to go upward.
- Doe lactation also increased near the regional average at 58% (I like to see this above 60%).
- The percentage of older does in the harvest was 41% (I like to see it below 40%), with some does still reaching 5, 6, 7 years old before being harvested.
- Population History Reconstruction estimates there will be a minimum of 80-90 does on your property, so in order to maintain a healthy deer population you would need to harvest 33% = 25-30 does for the 2021-2022 season (harvest about 1 doe per 200 acres).

BUCK HARVEST:

- Only 71% of bucks harvested were 3.5+ years old this year.
- Of the six 2.5 year old bucks harvested, only two were harvested by youth.
- Your highest "quality" bucks with the highest potential were harvested at 2.5 years old. These bucks were above average for their age.
- In order to meet your indicated goal of "Optimizing Recreational Harvest and Antler Size", fewer 2.5 year old bucks need to be harvested.
- The average antler measurements for bucks you harvested this past season was 12.5" spread and 17.5" main beams.
- I recommend you change your buck criteria to: "must meet 1 of 3 criteria = 14" spread, or 18" main beam, or 4.5+ year old". This would have protected 67% of the 2.5 year old bucks from this past season to grow at least another year, while still allowing 67% of the 3.5+ year old bucks and 100% of 4.5+ year old bucks to have been harvested.

HARVEST SUMMARY

	Recommended Harvest	Number Harvested	Acres/Deer Harvested	% Data Collected
Bucks	0 - 0	25	240	100
Does	25 - 30	29	206	100
Totals		54	111	100

Comments

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Data collection for the 2020-2021 season was excellent as usual. 100% of the doe harvest recommendations were met.

RECOMMENDED HARVEST (NEXT SEASON)

Bucks: - Does: -

Comments

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Doe body weights, lactation, and the percentage of older does in the harvest are all moving in the right direction.

In order to maintain a healthy deer population I recommend you harvest 25-30 does for the 2021-2022 season (harvest about 1 doe per 200 acres).

CLUB MAP

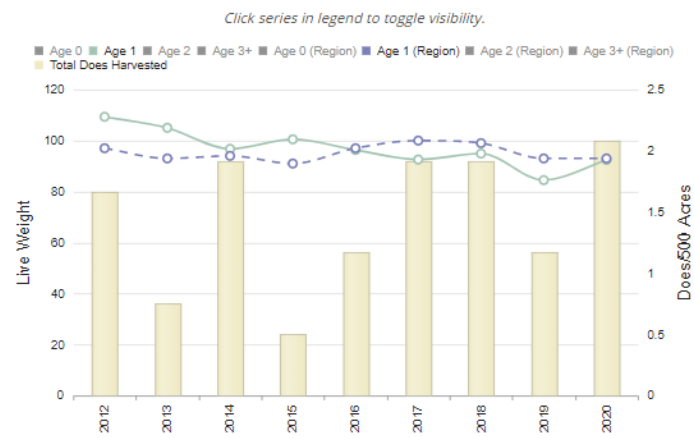
Comments

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(As of 2/5/2019)

Browsing Intensity = Moderate

DOE WEIGHTS WITH HARVEST

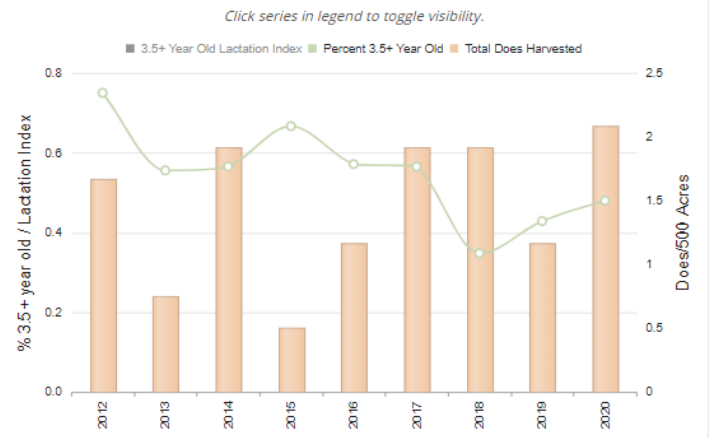


Comments

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Doe body weights increased near the regional average.

DOE AGE STRUCTURE IN RELATION TO HARVEST AND LACTATION RATES

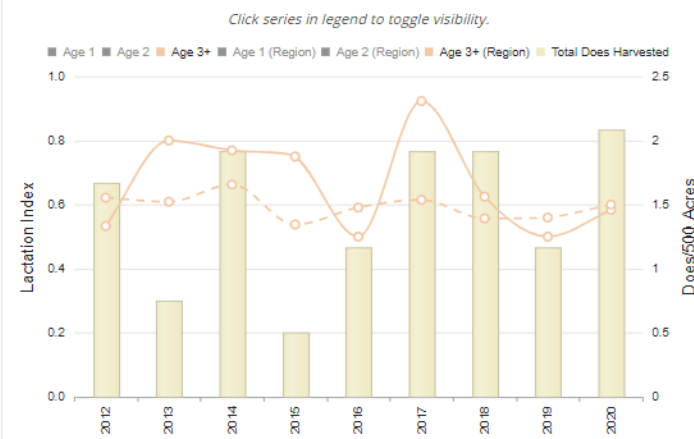


Comments

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The percentage of older does in the harvest are still a little high.

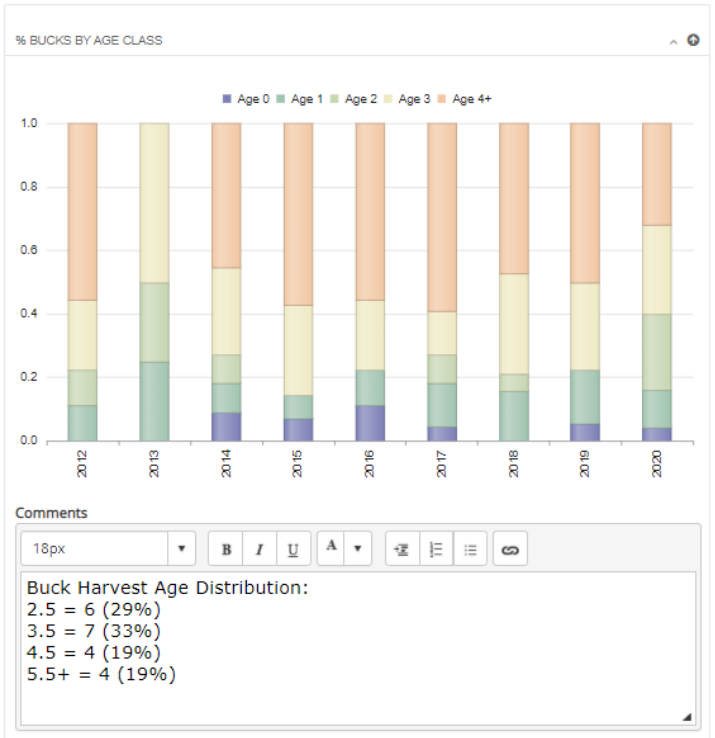
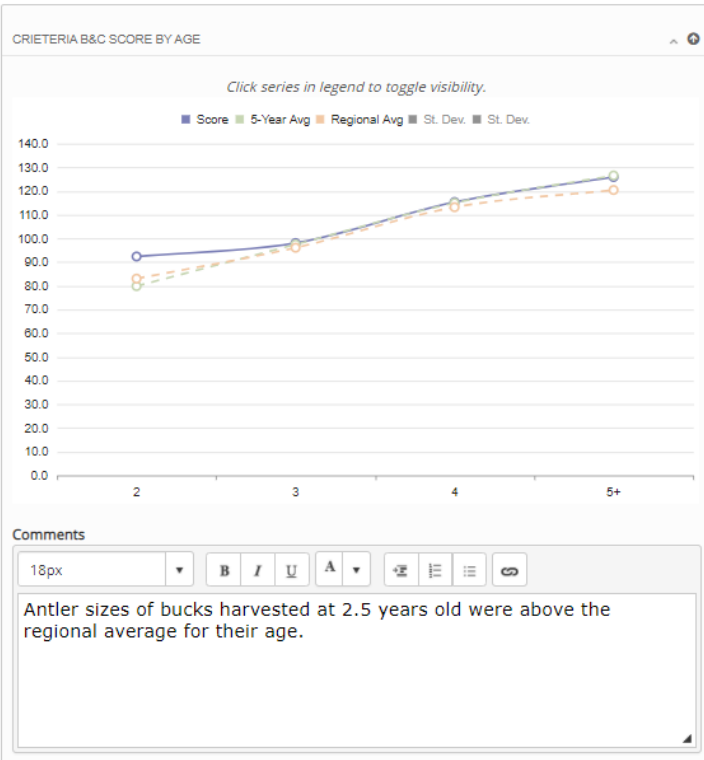
% DOE LACTATION



Comments

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Doe lactation increased to near the regional average.



CRITERIA BUCK ESTIMATED B&C SCORES

Estimated Non-typical B&C Score						
	Show	Age	Num	At Harvest	At Maturity (Min)	At Maturity (Max)
Group	<input checked="" type="checkbox"/>	2.5	5	92 3/8	128 3/8	150 2/8
Group	<input checked="" type="checkbox"/>	3.5	7	98 1/8	112 6/8	124 7/8
Group	<input checked="" type="checkbox"/>	4.5	4	115 3/8	121 4/8	126 1/8
	<input checked="" type="checkbox"/>	5.5+	3	126	126	126

Comments

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Bucks harvested at 2.5 years old had the highest quality antler size potential.

MANAGEMENT BUCK ESTIMATED B&C SCORES

Estimated Management Non-typical B&C Score						
	Show	Age	Num	At Harvest	At Maturity (Min)	At Maturity (Max)
Group	<input checked="" type="checkbox"/>	2.5	1	63	87 4/8	102 4/8
Group	<input checked="" type="checkbox"/>	3.5	0	0	0	0
Group	<input checked="" type="checkbox"/>	4.5	0	0	0	0
	<input checked="" type="checkbox"/>	5.5+	1	89 6/8	89 6/8	89 6/8

Comments

(Inherited size) **B** *I* U **A** $\frac{\square}{\square}$ $\frac{\square}{\square}$ $\frac{\square}{\square}$ $\frac{\square}{\square}$

Summary

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Data collection for the 2020-2021 season was excellent as usual.

100% of the doe harvest recommendations were met.

Doe body weights, lactation, and the percentage of older does in the harvest are all moving in the right direction.

The browse survey I conducted on the property in 2019 showed a moderate browsing intensity on the native vegetation.

I recommend maintaining your current doe harvest quota.

Only 71% of bucks harvested were 3.5+ years old this year.

I recommend modifying your buck selection criteria to protect more young bucks.

Feel free to contact me if you have any questions or need further technical guidance.

Thank you,

Pierce Young

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