03-analysis

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Study count by different categories

Study count by **Principal Investigator**.

pi	n
meyers	53
jennings	37
culpepper	5
vangessel	4
cohoon	2
cutulle	1
miller	1

Study count by **sweetpotato variety**.

variety	n
covington	47
beauregard	45
averre	2
evengaline	2
orleans	2
beauregard and covington	1
beauregard and orleans	1
hernandez	1
murasaki	1
NA	1

Study count by **soil type**.

soil_type	n
loamy_sand	40
silt_loam	40
sandy_loam	22
NA	1

Study count by **primary weed type**.

primary_weed	n
Palmer amaranth	56
Yellow nutsedge	11
Broadleaf signalgrass	9
Readroot pigweed	6
Redroot pigweed	6
Crabgrass	3
Goosegrass	3
Palmer	2
Palmer / C. ragweed	2
Carpetweed	1
Common barnyard grass	1
Common lambsquarters	1
Slender pigweed	1
NA	1

Study count by **irrigation type**.

irrigation_type	n
irri_overhead	57
non_irrigated	45
NA	1

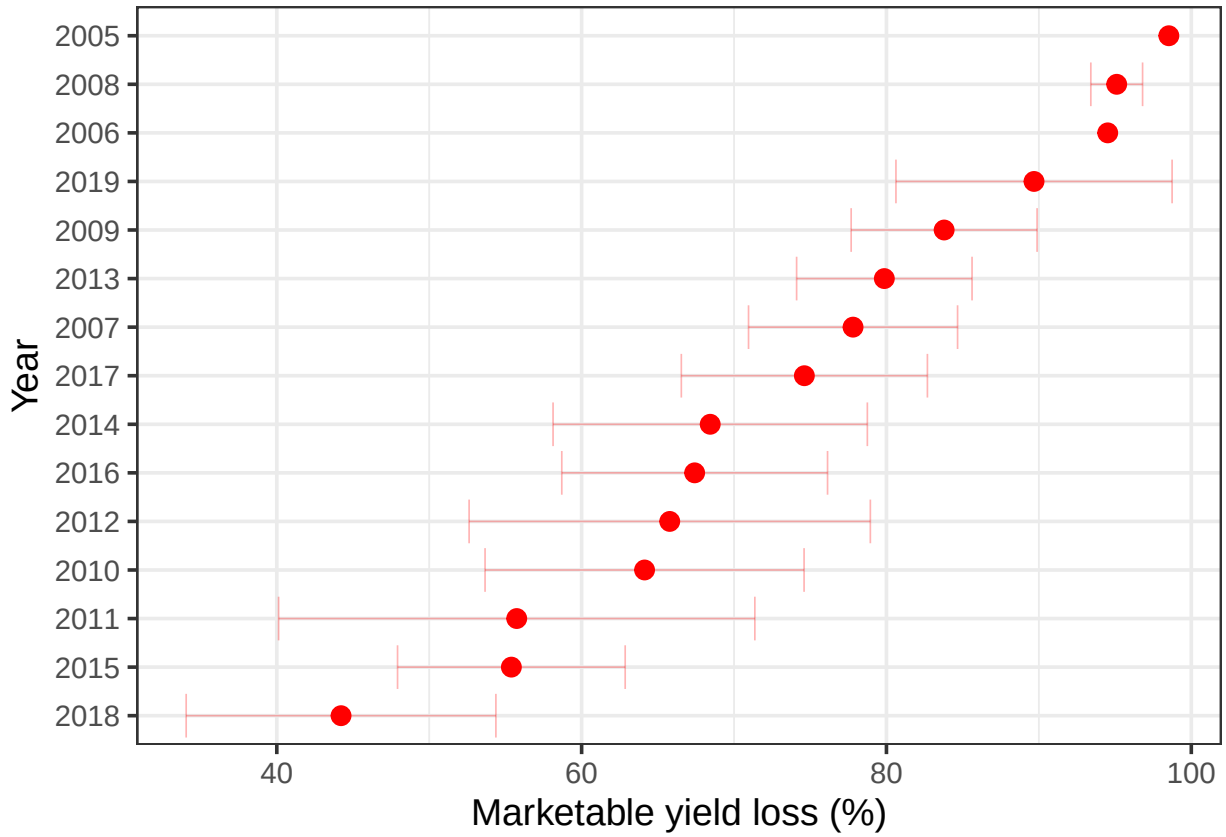
Study count by **location**.

location	n
Clinton_NC	47
Pontotoc_MS	34
TyTy_GA	5
Faison_NC	4
Georgetown_DE	4
Houlka_MS	3
Houston_MS	2
PAINTER_VA	2
Blackville_SC	1
Chase_LA	1

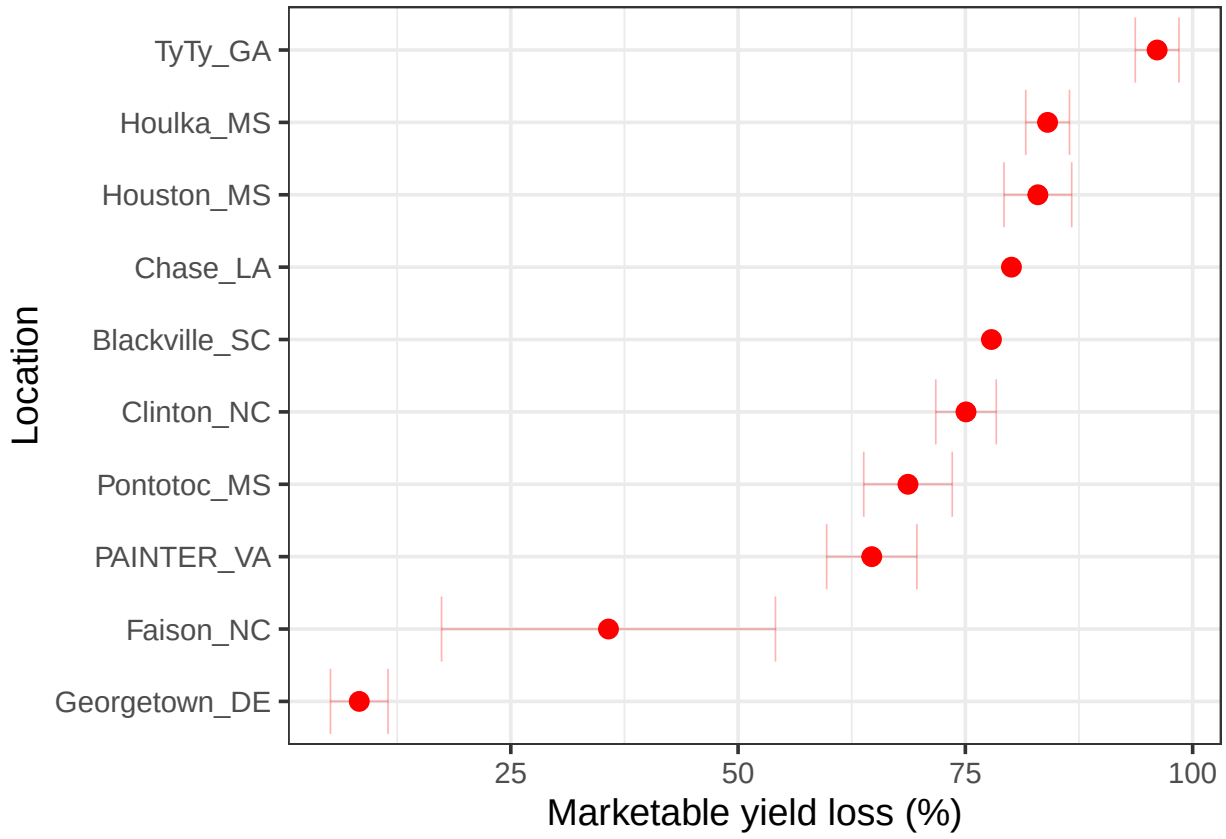
Figures

Distribution of marketable yield loss across 103 studies.

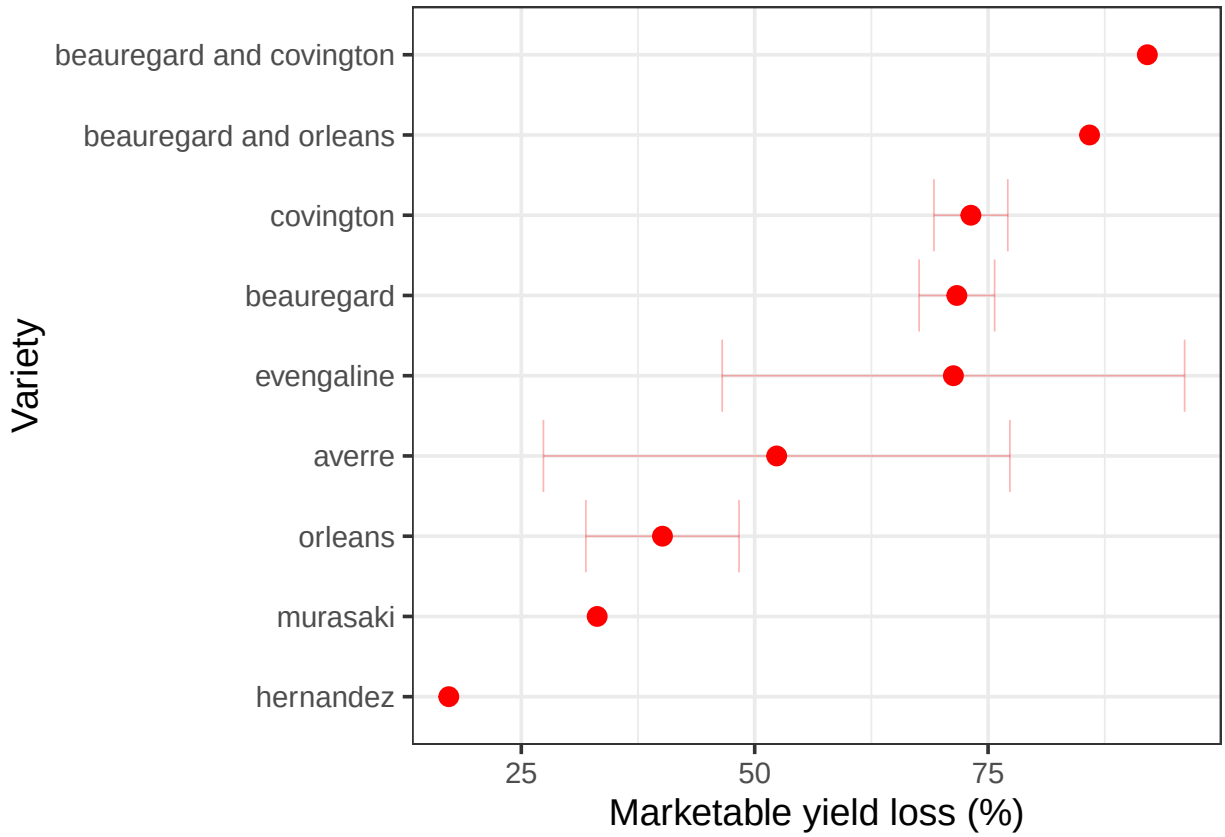
Average marketable loss by **year**.



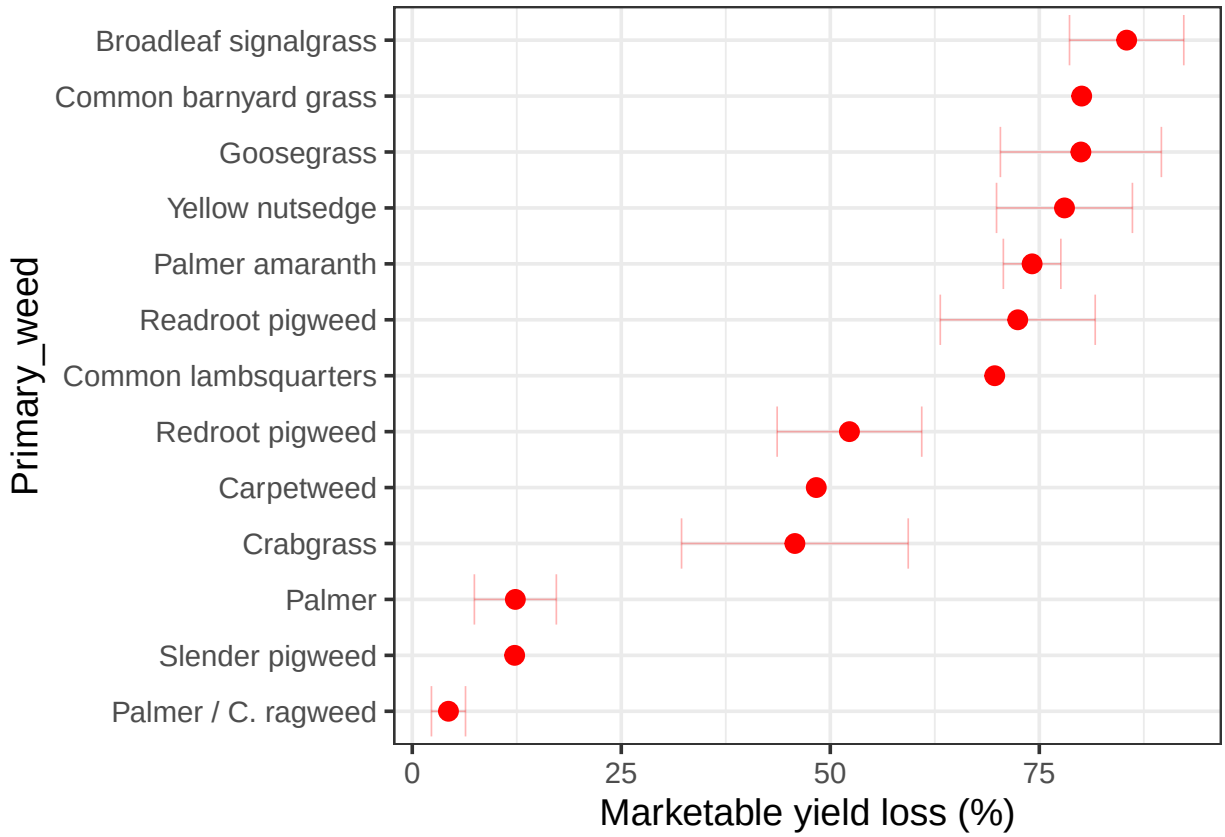
Average marketable loss by **location**.



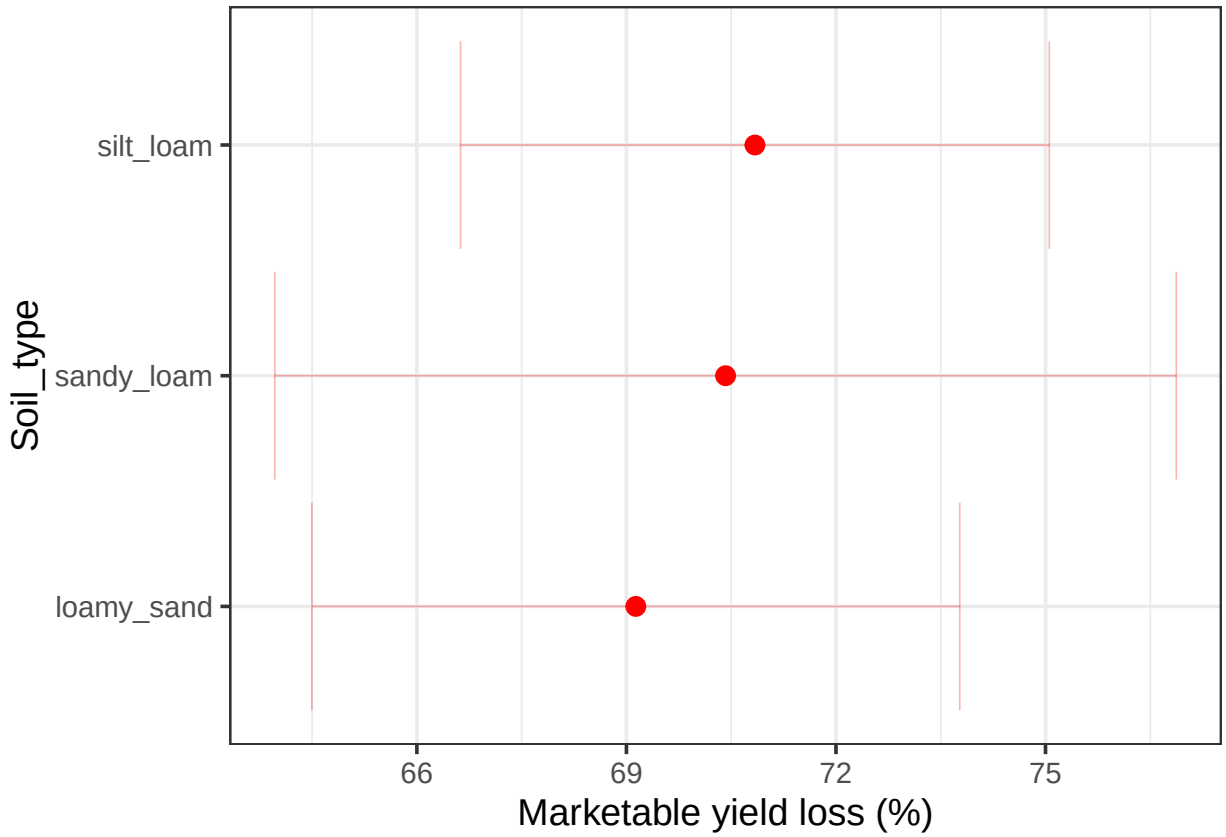
Average marketable loss by **variety**.



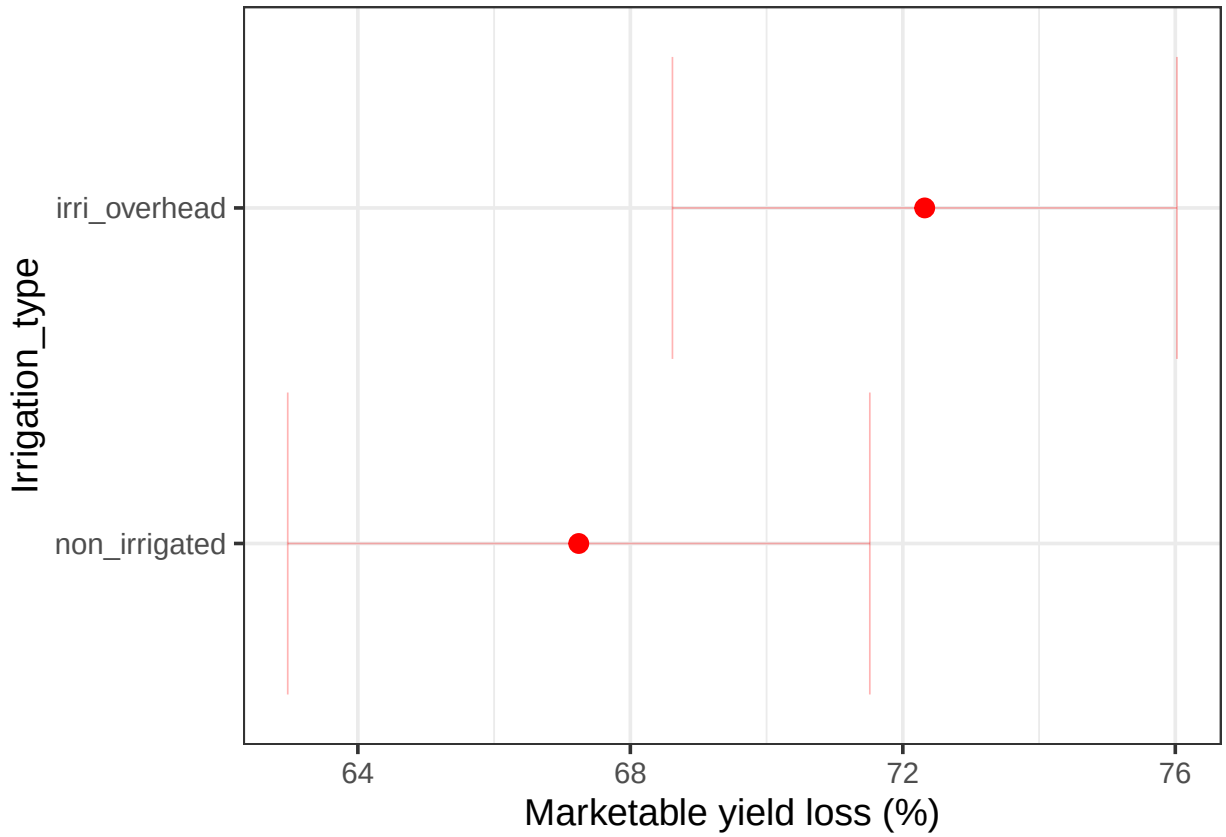
Average marketable loss by **primary weed**.



Average marketable loss by **soil type**.



Average marketable loss by **irrigation type**.



Create a table to report average marketable yield loss by state.

state	marketable_loss	number_of_studies
North Carolina	71.98863	51
Mississippi	70.60329	39
Other States	60.08924	12
Louisiana	80.07080	1

Mege above table with sweetpotato production and area harvested data from USDA NASS.

State	Marketable loss (%)	Loss in $s	Loss in cwt[1]	Number of studies	Harvested (acres)	Production i
Louisiana	80.1	35231150	1761558	1	8300	44000
Mississippi	70.6	57824096	3212450	39	26000	81900
North Carolina	72.0	188294912	7911551	51	78500	261562
Other States	60.1	40133603	1400680	12	10300	66790

[1]One cwt = 100 lbs