

July 8th 1881

Desmodium illinoense

2 leaves on your plant (2 inch high) placed with
4 drops of water
space between with water add 96° F
little water to be placed opposite vein on
one side of leaf -; the opposite side of leaf is
control - leave with opposite vein to keep

longitudinal above with tablet below. -

When Desmodium - air temp with Desmodium
in the box - temp found at 11:30 July 8th
(a very cloudy day)

July 9th sunny bright & hot sunshine - other
cloudy, but not very hot

[The A after sun had shown some time of light
of Desmodium, as the leaves were out of
up (4 + 2 leaves) per leaf - small stem
sun became dark & leaves drooped, & Desmodium
were again.]

At 10' box cloudy bright sun & cloudy at 11:30
- 11' at noon of bright 11' + 11' temp at 11'

14th 2 lower most photos taken - the upper & younger one
 had. Grows on right side (viewed from eye) The lower &
 other leaf on left side with Grows - July 14th 80 A.M.
 after 5 days mostly veg bright & hot, - Upper & younger
 leaf - All the following when water log - other
 leaf all at all affected - (15th one of the leaves
 which had been found long ago in the water, and
 found entirely for perched the same day and in
 the water in pond.

22nd 11 A.M. The 2 lower leaves no
 affected & 2 Grows. - 27th 9th.
 July 16, 17, 18, 19th Chasing lot L

- Bright Grows
- 20th All the way & cold but still in storm
 - 21st Bright & dry, hot all of day
 - 22nd Clear & Chasing
 - 23rd Chasing & all of day
 - 24th Later day rather high, hot with
 - 25th 7th 9th, with storm
 - 26 & 27 Chasing & all

July 14th 5th 1st found leaf with 8 stems - but other were bound
 apical one & stem entirely under water - July 14th
 2 Grows ^{let} on right side viewed from eye - ~~under leaf~~
 a younger leaf 30 - on right side Grows - Pieces
 washed into jars: 15th 9th A.M. One of the leaves
 was spotted with minute white marks, on certain veins
 & got on perfectly healthy. I had then a water bottle filled,
 when water was low all toward lower. & then was
 view of the growth during

July 22nd 11 A.M. 9th can be as well, at the base of 5 2 leaves
 to 1 stem by one of them apical of stem has a small
 2nd Grows - I can see no leaf still in upper leaf
 July 27th The other leaf cutting was injured on water
 side, but can injury a point side which was
 the water of stem & 20 Grows on. The 1st of washed leaf in
 the 2nd before morning & rain especially injured
 The younger leaf also cutting was injured when water
 log & spotted down to rain & with

April 16 1891 Desmodium gyrans

gray cutting - big PA - with cut
2 (incl. ^{top} leaves, valve both sides with water at 90° 7
+ a small one with just a new trace of the
at 110° 45' a.m.
in app. - 2 graps of 1 to 5 at water of just with to
at the off by water - Both to S. water
= study - (2 graps)

April 17th 9th a.m. gray plant 3 in the light. 2
graps leaves. 2 spets of both sides valve with cover
them - both to water at 90° 7, of them graps just
in 2 graps on one side of both - making 4
spets with graps of 4 spets without graps

Apr. 17th 9th a.m. - got 10 plants - 3 leaves except
of fully with 10 graps with water at 90° - from both
+ small in graps - + then 3 spets on 2 of 5 leaves of 2
spets on 1 leaf - making 8 spets - to spets
of both sides both graps - all later to S. study water
= (12 graps in the plant)

Learn always looked at for ever to true

ag-24. ^{shy} Two fruit have a cavity in by pt. cut side
with 2 groups on with side as toward a mouth. ^{the}
(Q. 24 with Q. 23)

[Bony shell; Lacin leaf, (^{yellow} ~~red~~ wood) 2 groups with sides
then an inner space in both places, but the top of
leaf is under wood]

Seed upon leaf (not wood) left side 2 groups on
opposite

Shore leaf (not thin) with sides 3 groups, no space
[Q. 29. Then 3 ~~shells~~ leaves on opposite side placed.]

Young plant = separate pt - 2 young leaves. 2 groups
on left side of leaf with shell thin - 2 groups
on opposite side of opposite leaf - no space

for the 4 groups. [Q. 29. I think I see space
on leaf ^{with} shell thin.]

My i. no space in opposite a group of 3 leaves

1881

Desmodium sp.

April. 16 a. morning for 5-1/2 hrs - 1st visit 2

to 1st farm - at 2 find my house

and patches of Desmodium - I did not get any

of which to examine on. - Later. Found on the
1st visit with. -
See if it is the same as the other.

May 5	12 ⁰⁰	87°	16	10°	85°
	4 ⁰⁰	80°	16	-	74°
6 ⁰⁰	12 15	102°	17		87°
	4 ⁰⁰	85°			
7	7 15	71°			
	12 15	83°			
	4 15	79°			
8 ⁰⁰	7 15	69°			
	12 15	81°			
	4 ⁰⁰ - 15	83°			
9	7 15	71°			
	12 30	84°			
	4 15	78°			
10	7 15	67°			
11	12 15	73°			
12	9	82°			
13	9	81°			
14	9	77°			

Time	Angle	Notes	Value
11 ^h	46'	A. N. Temp.	61° 7
14 ^h	12 45		62 1/2 -
	7 30 P.L.		90
	10 15 P		64°
15 ^h	7° G. N.		60°
	2 30 + 4° 30'		62°
	10 45 P.L.		61°
16 ^h	7° G. L.		60°
	2° -		60°
	10		62°
17 ^h	8° + 2		59 1/2
	1°		60°
	10		62
18 ^h	7°		60°
	12		60 1/2
	10		61°
19 ^h	7° 15		55°
	10 15		56 1/2°
	7		56
	10 30		57 1/4°
20 ^h	7°		54°
	10°		57°

21	5 ⁰⁰ AM	52°
	7 AM	55 1/2°
22	7 AM	53°
	10 AM	56°
	10 PM	57°
23	11 AM	57°
	6 - PM	57

April 29 1891

Desmodium gyrans

Young plant in pot. - 2 leaves visible both
1/2 inch with 1/2 inch at ^{at} 96° - & the pot on
2 sides of a-t-hall water on one side of
both leaves making 4 legs - marked places
with white dots like those of black grass. -

Plant kept in hot room under bell-glass
in hot house. -

Plant in hot house at 10.05 A.M. 29

May 5. 3:30 P.M. in pot of it off
- 17 to 18 spots ^{with many} ^{black} ^{dots} ^{on} ^{the} ^{leaves} ^{of} ^{which}
with 1/2 inch ^{from} ^{the} ^{leg} ^{near} ^{the} ^{base}
one leaf for 4 spots of black grass,
but 5 1/2 spots on other side of water
marked with the legs like the spotted
ground -

Low-light must be supplied for
low water high hot. small. -