

Genus Data Sheet

Datasheet No. A-098.027
(family,genus,species)

DBT- Network Programme

1. **Genus:***Schoenoplectus* Pala

3. **Systematic position:**

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Schoenoplectus*Palla

Bentham and Hooker (1862)

Kingdom: Plantae
Division:Phanerogamia
Class: Monocotyledones
Series: Glumaceae
Ordo: Cyperaceae Juss.
Genus: *Schoenoplectus* Palla

3. **Species:**

Global:53

India: 17

4. **Taxonomic riddles:**

5. **Distribution:**

Global:Algeria, Angola, Bhutan, Egypt, Ethiopia, Eurasia, Japan, Africa, China, Australia,Bangladesh, Cambodia,Europe and some neighboring areas,India, Indonesia, Malaysia, Myanmar, Nepal, Pakistan, Philippines, Zambia,Sri Lanka, Thailand and Vietnam

India:Assam,South India,Haryana, Kerala,Tamil Nadu, Uttar Pradesh, Andhra Pradesh and Madhya Pradesh

6. **Habit and Habitat:**Herb

7.**Economic Importance:**Tubers are used as a purgative, curing diarrhea and also check vomiting.

8. **DNA content range:**

Methodology

2C: 4C:

9. **Basic chromosome number(s):**

10. Zygotic chromosome number(s): $2n=10^{27}20^728^{1,5,9}30^932^{1,2,3,5}38^{11,14,15,16,17,26,41}$
 $40^{12,16,24,26,33,52,54}42^{5,12,13,15,16,19,21,22,23,24,25,31,32,33,46,47,48,49,50,51}44^{14,37,38}54^{15}70^874^{55}$,
 $80^{2,3,5,28}96^{30}110^{14,20,30}$

11. Gametic chromosome number(s): $n=5^{44}11^{11,34,36,43}14^{4,6,11,30,36}15^{4,6}21^{18,20,27,30,37,41,44}$,
 $22^{10,11,29,34,35,36,39,40}37^{10}39^{11,29}40^{28}42^{11,29}44^{11,42}$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes Neocentric chromosomes):

13. Ploidy level:

14. Nature of polyploidy (auto, segmental, allo, autoallo):

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms:

Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes:GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: Twelve species have been done out of total Seventeen as per APG-I