

QUESTION 1

1. Click on the M-Track icon in the top right corner of the screen.

Table: Chromosome numbers in some grasses

Taxa	Locality	x	n	First report	
				n	2n
<u>Tribe 1 Panicle</u>					
<i>Coix lacryna</i> Jobi L.	Hastinapur	5	5	10, M.K. Kaul 1955.	20, Manreisdorf and d. 1931.
<u>Tribe 2 Panicle</u>					
<i>Adria acutata</i> Bion.	Kaneshwar	10	10	10, Hunter 1934.	20, Hunter 1934
<i>Adria trifida</i> L.	Kaneshwar	10	10	10, Celarier 1957	40, Avdulov 1933
<i>Chrysopogon aciculatus</i> (Retz) Trin.	Kaneshwar	10	10	10, Chen & Hsu 1952	20, S.K.J.
<i>Chrysopogon acillius</i>	Kaneshwar	10	10	10, Mehr. et al. 1962 40, Celarier 1953	40, Avdulov 1931
<i>Chrysopogon aciculatus</i> Trin.	Kaneshwar	10	10	10, Stevens & Torr 1971	
<i>Panicum ciliolatum</i> (L.) A. Garuc	Hastinapur	10	20	10, Reddy & Dieruz 1960 20, Chra et al. 1962	20, Reddy and Dieruz 1960 40, Chra 1950.
<i>Panicum communis</i> (Linn)	Hastinapur	10	18		18, Gupta and Yashvir 1971 20, de Wet 1954
<i>Panicum contortum</i> (L.) Beauv. x (L.) A. Garuc	Hastinapur	10	20	20, 25, 30, Gupta 1960	20, S.K.J. 40, Chandra 1965 44, Jeffett & d. 1949 60, de Wet 1954

Cont....

Taxa	Locality	x	n	First report**	
				n	2n
<u>Imperata cylindrica</u> (L) P. Beauv.	Mastinanur	10	10	10, Mehra et al. 1952.	20, Janaki Journal 1942 60, Tateoka 1965.
<u>Ischaemum rugosum</u> Var. <u>serotum</u> (Jack.)	Mesoot	8	8	9, Colarier 1957.	
<u>Themeda anarthra</u> (Less) Hack.	Kavindhat	10	10	10, 11, Mehra Z.L. 1955.	
<u>Vetivacia zizanioides</u> (L) Nash.	Kavindhat	10	10	10, Mehra et al. 1952, 20, Colarier 1957	20, Janaki Journal 1945
<u>Tribe 3 Chlorideae</u>					
<u>Chloris barbata</u> Sw.	Mesoot	10	8	20, Chen & Hsu 1952	20, Avdulov 1923 41, Paul & Lederstrom 1967. 50, Raouar and Jeet 1969
<u>Galoclis Coliclerochiza</u> (Lamson)	Mesoot	10	10	20, Saxena & Gupta 1970	
<u>Chloris viciata</u> Sw.	Mesoot	10	10	10, Singh and Edward 1950	20, Doffett and J. 1949 28, F.T. Thomas Jun. 43, Krishnamoorthy 1949
<u>Tribe 4 Brachiatoide</u>					
<u>Pennisetum purpureum</u> (L) Gaertn.	Boerhwar	3	13	13, Singh & Howard 1950.	36, Avdulov, 1931.

Cont...

Taxa	Locality	x	n	First report**	
				n	2n
<u>Tribe 5 Paniceae</u>					
<u>Alloteropsis cimicina</u> (L.) Stapf	Gopeshwar	9	18	18, Gupta 1963.	
<u>Brachiaria ramosa</u> (L.) Stapf.	Hattinagar	9	18	18, Singh & Godward 1960. 16, Patil & Ghosh 1962. 21, Malik and Tripathi 1970.	36, Singh & Godward 1960 72, Narayan & Muniyamma 1972.
<u>Digitaria bifloris</u> Willd.	Gopeshwar	9	18	18, Gupta 1971.	
<u>Schinocloa colonum</u> (L.) Link.	Gopeshwar	9	27	27, Singh & Godward 1960.	54, Singh & Godward 1960
<u>Schinocloa crusgalli</u> (L.)	Gopeshwar	9	27	27, Chen and Heu 1961	36, Brown 1943, 17, Church 1929. 48, Rau 1929. 54, Tateoka 1954.
<u>Schinocloa</u> <u>frumentacea</u> . Link.	Jochimath	9	18	27, Singh & Godward 1960.	36, Hunter 1934 48, Malik & Tripathi 1966 54, Singh & Godward 1960 56, Church 1929.

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Taxa	Locality	x	n	First report ^a	
				1	2
<i>Opiliones commutatus</i> (L.) F.P.	Boothbay	3	11	11, Boothbay Harbor 1912 12, Boothbay Harbor 1914	11, Boothbay 1951, 12, Boothbay 1951
<i>Opiliones harrisi</i> (Setz.) F.P.	Id.	4	4	11, Boothbay Harbor 1953, 12, Boothbay Harbor 1957 17, Boothbay Harbor 1957 19, Boothbay Harbor 1958	11, Boothbay 1953, 12, Boothbay Harbor 1957, 17, Boothbay Harbor 1957, 19, Boothbay Harbor 1958
<i>Opiliones vittiger</i> Setz.	Boothbay	1	11	11, Boothbay 1953	11, Boothbay Harbor 1953
<i>Opiliones thomasi</i> (Setz.) F.P.	Boothbay	1	11	11, Boothbay Harbor 1953, 12, Boothbay Harbor 1953	11, Boothbay Harbor 1953
<i>Opiliones thomasi</i> Setz.	Boothbay	10	11	11, Boothbay 1953, 12, Boothbay Harbor 1953	11, Boothbay 1953, 12, Boothbay Harbor 1953, 13, Boothbay Harbor 1953
<i>Opiliones thomasi</i> Setz.	Boothbay	11	2	11, Boothbay 1953 12, Boothbay Harbor 1953	11, Boothbay Harbor 1953 12, Boothbay Harbor 1953
<i>Opiliones thomasi</i> Setz.	Boothbay	12	11	11, Boothbay Harbor 1953 12, Boothbay 1953	11, Boothbay Harbor 1953, 12, Boothbay Harbor 1953, 13, Boothbay Harbor 1953, 14, Boothbay Harbor 1953

1953...

Taxa	Locality	x	n	** First report	
				n	2n
<u><i>Urochloa panicoides</i></u> * P.R.	Kovindghat	7, 9, 15	24		19, Saxena & Gupta 1970 23, Malik & Mary 1970 24, Mitra & Datta 1967 30, de Wet 1954 36, Moffett & H. 1949
Tribe 6 Poaceae <u><i>Brachyrodium</i></u> <u><i>svyaticum</i></u> (Hedl.) F. Beauv.	Kovindghat	9	9	9, Saxena & Gupta 1970	19, Gno & T. 1953, 13, 23, 44, 56, Kozuharov, et al., 1973.
Tribe 7 Ehalariaceae <u><i>Ehalasia minor</i></u> L.	Mesrut	7	14	14, Ambastha 1956.	23, Ambastha 1956. 29, Anderson 1951.

* New chromosome number for the species

** From: Darlington, C.D. and Wylie, A.P. 1955; Cave 1957-1965; Moore, 1970-74;
Ornduff 1967-69.

LIST OF PUBLICATIONS

1. Gupta, P.K., Yashvir and K.V. Singh 1973. A translocation difference between wheat variety HY-11 and Priticale strain 3T-69-1. Wheat Inf. Serv. No. 27. 13-14.
 2. Gupta, P.K., K.V. Singh and S. Saini. 1974. Cytology of some Digitaria species. Cytologia 43: 489-505.
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