

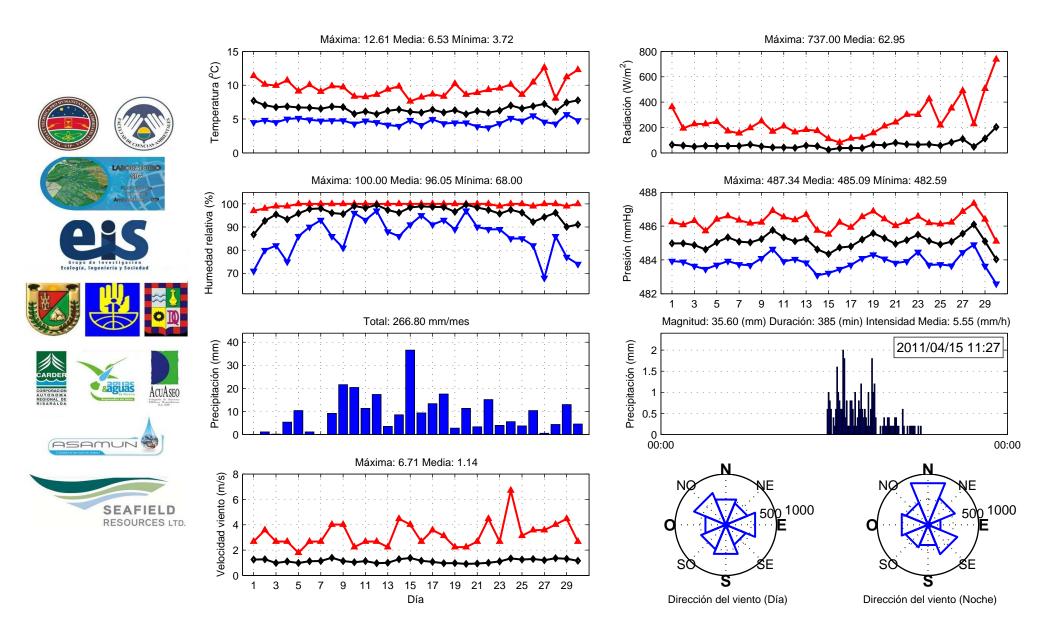
Estación: Cortaderal Fecha: Abril de 2011 Registros: 30 de 30 Reporte climatológico mensual

Red Hidroclimatológica del Departamento de Risaralda

Revisó: Adm. Ambiental Victor Manuel Bermúdez Marín. Operador REDH

Aprobó: Ing Ph.D. Juan Mauricio Castaño Rojas. Director REDH.

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	Temperatura				Viento	Presión	Humedad Precipitación		Evap	Radiación solar	
Día	(°C)		(m/s)		(mmHg)	(%)	(mm)	(mm)	(W/	m^2)	
	Máx	Media	Mín	Máx	Media	Media	Media	Total	Total	Máx	Media
1	11.39	7.70	4.50	2.68	1.26	484.98	86.73	0.00	0.41	362.00	63.83
2	10.11	7.04	4.83	3.58	1.28	484.98	92.67	1.20	0.36	193.00	57.83
3	9.94	6.74	4.50	2.68	0.98	484.87	95.42	0.20	0.28	227.00	48.95
4	10.72	6.86	5.00	2.68	1.11	484.62	93.30	5.40	0.25	227.00	55.10
5	9.11	6.71	5.11	1.79	0.98	485.04	95.85	10.40	0.28	246.00	52.68
6	10.06	6.67	4.89	2.68	1.12	485.34	97.80	1.20	0.23	171.00	53.73
7	9.06	6.52	4.72	2.68	1.15	485.08	98.02	0.00	0.23	155.00	54.17
8	9.89	6.84	4.78	4.02	1.40	485.04	96.05	9.20	0.33	197.00	65.18
9	9.72	6.76	4.78	4.02	1.13	485.24	95.63	21.60	0.30	250.00	50.81
10	8.33	5.76	4.28	2.24	1.05	485.76	99.07	20.40	0.15	169.00	42.78
11	8.28	6.10	4.72	2.68	1.14	485.33	98.22	11.40	0.18	211.00	42.89
12	8.61	5.73	4.50	2.68	0.97	485.11	99.55	17.40	0.13	163.00	38.74
13	9.39	6.22	4.11	2.24	1.01	485.25	97.33	3.60	0.30	183.00	57.45
14	9.83	6.42	3.94	4.47	1.29	484.62	96.15	8.60	0.23	174.00	52.98
15	7.61	6.07	4.83	4.02	1.38	484.35	98.44	36.60	0.13	111.00	24.28
16	8.22	5.94	4.06	2.68	1.16	484.73	98.94	9.40	0.18	81.00	37.36
17	8.67	6.39	4.94	3.58	1.07	484.80	98.72	13.40	0.20	114.00	37.85
18	8.33	5.96	4.33	3.13	0.97	485.21	98.58	17.60	0.20	121.00	37.46
19	10.22	6.30	4.44	2.24	0.97	485.58	96.56	2.80	0.25	156.00	63.58
20	8.61	5.72	4.44	2.24	0.92	485.28	99.65	11.40	0.30	211.00	60.07
21	8.89	6.18	3.89	2.68	0.94	484.95	98.39	3.40	0.38	241.00	78.95
22	9.33	5.92	3.72	4.47	1.01	485.17	97.42	15.20	0.28	302.00	67.13
23	9.56	6.25	4.33	2.68	1.11	485.49	95.74	4.00	0.30	301.00	64.50
24	10.11	7.01	5.11	6.71	1.34	485.13	97.45	5.60	0.30	425.00	67.47
25	8.61	6.54	4.72	3.13	1.25	484.92	96.22	3.80	0.23	218.00	56.67
26	10.44	6.89	5.50	3.58	1.30	485.08	92.15	10.40	0.30	352.00	83.07
27	12.61	7.24	4.56	3.58	1.20	485.55	94.27	0.60	0.58	489.00	109.11
28	8.06	6.12	4.28	4.02	1.36	486.10	96.15	4.40	0.18	227.00	47.96
29	11.22	7.44	5.67	4.47	1.31	485.10	90.04	13.00	0.66	506.00	112.45
30	12.28	7.76	4.78	2.68	1.16	484.03	91.06	4.60	1.07	737.00	203.55
TOTAL								266.80	9.20		
PROM	9.57	6.53	4.61	3.23	1.14	485.09	96.05			250.67	62.95

Cuadro 1: Resúmen de análisis climatológico

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Día	Lluvias por intensidad				Lluvias por jornada			CLL	PT D		P	DM	MM	IMM	IM5	
Dia	F	M	L	LL	Md	Mñ	T	N	CLL	(mm)	(h)	(%)	(min)	(mm)	(mm/h)	(mm/h)
1	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0	0	2	0	0	0	2	0	2	1.20	0.33	1.39	25.00	0.60	1.20	4.80
3	0	0	1	0	1	0	0	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
4	0	0	3	0	0	0	3	0	3	5.40	1.58	6.60	95.00	2.60	1.56	4.80
5	0	2	4	0	0	1	4	1	6	10.40	3.00	12.50	115.00	3.60	1.80	4.80
6	0	0	3	1	2	1	1	0	4	1.20	0.50	2.08	15.00	0.40	1.20	2.40
7	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0	1	5	0	0	0	3	3	6	9.20	3.00	12.50	140.00	6.20	2.57	4.80
9	0	2	6	1	0	2	4	3	9	21.60	3.83	15.97	105.00	9.60	5.24	21.60
10	0	1	5	0	3	1	2	0	6	20.40	5.92	24.65	255.00	9.60	2.22	7.20
11	0	2	5	1	2	0	5	1	8	11.40	2.50	10.42	45.00	5.60	6.72	16.80
12	0	1	10	0	4	4	3	0	11	17.40	5.33	22.22	180.00	9.20	2.98	9.60
13	0	1	4	0	3	0	2	0	5	3.60	1.33	5.56	80.00	1.60	1.13	2.40
14	0	1	2	0	0	0	2	1	3	8.60	1.58	6.60	115.00	8.20	4.10	16.80
15	0	1	3	0	3	1	0	0	4	36.60	5.83	24.31	385.00	35.60	5.48	24.00
16	0	1	4	1	1	2	2	1	6	9.40	2.50	10.42	175.00	7.60	2.53	9.60
17	0	0	9	0	3	3	2	1	9	13.40	4.42	18.40	310.00	11.60	2.21	7.20
18	0	1	5	1	0	1	5	1	7	17.60	5.42	22.57	230.00	11.00	2.81	4.80
19	0	0	8	0	1	0	3	4	8	2.80	1.08	4.51	35.00	1.00	1.50	4.80
20	0	2	5	1	1	3	2	2	8	11.40	3.75	15.63	125.00	5.80	2.68	7.20
21	0	1	1	0	0	0	0	2	2	3.40	0.67	2.78	35.00	3.00	4.50	16.80
22	0	1	6	0	2	1	2	2	7	15.20	2.92	12.15	105.00	10.60	5.78	14.40
23	0	0	4	0	0	1	3	0	4	4.00	1.50	6.25	125.00	3.40	1.57	4.80
24	0	1	4	0	0	1	3	1	5	5.60	1.58	6.60	50.00	3.20	3.49	14.40
25	0	0	4	0	0	0	3	1	4	3.80	1.50	6.25	125.00	3.20	1.48	4.80
26	0	1	2	0	0	0	3	0	3	10.40	1.83	7.64	110.00	9.80	5.11	21.60
27	0	0	2	0	0	0	2	0	2	0.60	0.17	0.69	10.00	0.40	1.60	4.80
28	0	0	3	1	2	2	0	0	4	4.40	1.50	6.25	125.00	3.60	1.66	4.80
29	0	1	3	0	0	0	4	0	4	13.00	2.42	10.07	110.00	10.60	5.53	19.20
30	0	3	1	0	0	1	3	0	4	4.60	0.83	3.47	45.00	2.20	2.64	16.80
MAX	0	3	10	1	4	4	5	4	11	36.60	5.92	24.65	385.00	35.60	6.72	24.00
TOTAL	0	24	114	7	28	25	68	24	145	266.80	66.92	9.29				

Cuadro 1: Análisis mensual de lluvias

F	Fuerte	$7.6 \text{ (mm/h)} \leq \text{intensidad}$
M	Moderada	$2.5 \text{ (mm/h)} < \text{intensidad} \le 7.6 \text{ (mm/h)}$
L	Ligera	$1.0 \text{ (mm/h)} < \text{intensidad} \le 2.5 \text{ (mm/h)}$
LL	Llovizna	$1.0 \text{ (mm/h)} \ge \text{intensidad}$

Md	Madrugada	00:00 - 05:59
Mñ	Mañana	06:00 - 11:59
T	Tarde	12:00 - 17:59
N	Noche	18:00 - 23:59

CLL	Cantidad de Lluvias
PT	Precipitación total (mm)
DP	Duración precipitacion diaria
DM	Duración máxima lluvia aislada (min)
MM	Magnitud máx. lluvia aislada (mm)
IMM	Intensidad media máxima (mm/h)
IM5	Intensidad máx. en 5 minutos (mm/h)

Cuadro 2: Convenciones y Unidades