

Estación: Lago Fecha: Abril de 2008

Registros: 30 de 30

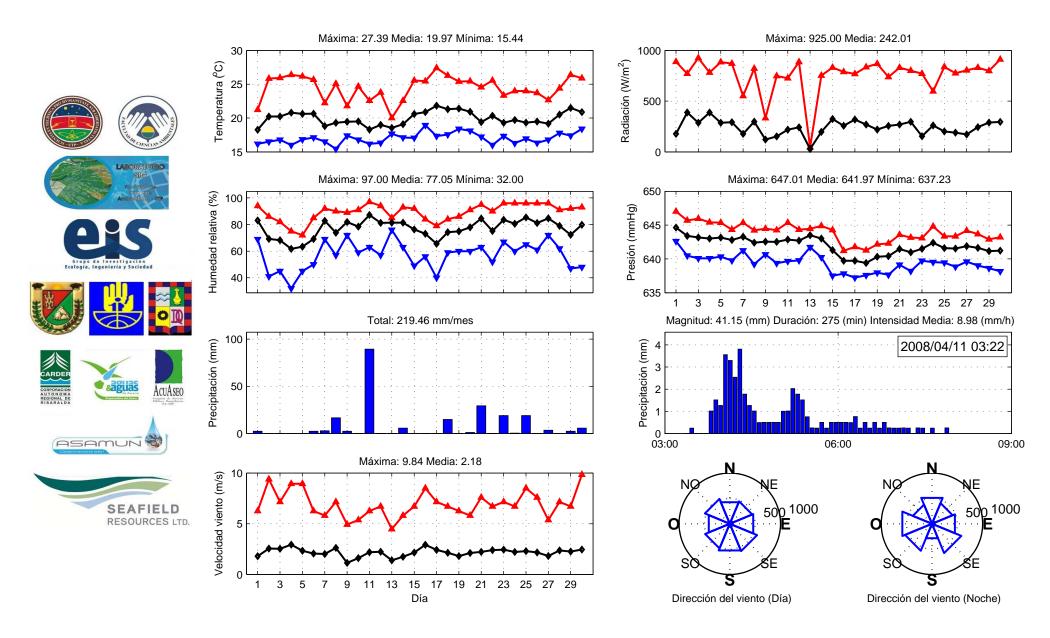
Reporte climatológico mensual

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 | 21.22 | 18.26 | 16.17 | 6.26 | 1.80 | 644.63 | 83.09 | 2.54 | 1.65 | 888.00 | 177.08 |
| 2 | 25.83 | 20.22 | 16.50 | 9.39 | 2.56 | 643.40 | 69.24 | 0.00 | 3.96 | 770.00 | 388.30 |
| 3 | 25.94 | 20.24 | 16.78 | 7.16 | 2.54 | 643.17 | 68.22 | 0.00 | 3.23 | 925.00 | 286.01 |
| 4 | 26.39 | 20.80 | 16.00 | 8.94 | 2.94 | 643.01 | 61.73 | 0.00 | 4.29 | 782.00 | 387.23 |
| 5 | 26.17 | 20.61 | 16.83 | 8.94 | 2.34 | 643.16 | 63.40 | 0.00 | 3.10 | 884.00 | 286.09 |
| 6 | 25.67 | 20.65 | 17.11 | 6.26 | 2.07 | 642.79 | 69.15 | 2.54 | 2.77 | 870.00 | 291.53 |
| 7 | 22.22 | 18.81 | 16.50 | 5.81 | 2.02 | 643.28 | 82.87 | 3.05 | 1.68 | 550.00 | 176.62 |
| 8 | 25.06 | 19.30 | 15.44 | 7.16 | 2.62 | 642.40 | 73.85 | 16.76 | 2.80 | 821.00 | 297.85 |
| 9 | 21.78 | 19.45 | 17.39 | 4.92 | 1.14 | 642.55 | 81.93 | 2.54 | 0.66 | 332.00 | 121.36 |
| 10 | 24.67 | 19.49 | 16.78 | 5.37 | 1.61 | 642.52 | 78.38 | 0.00 | 1.47 | 747.00 | 152.11 |
| 11 | 22.56 | 18.30 | 16.17 | 6.26 | 2.20 | 642.86 | 87.17 | 89.41 | 1.83 | 726.00 | 218.67 |
| 12 | 23.78 | 18.98 | 16.33 | 6.71 | 2.24 | 642.69 | 81.27 | 0.25 | 1.70 | 886.00 | 241.28 |
| 13 | 20.00 | 18.55 | 17.67 | 4.47 | 1.40 | 643.51 | 81.46 | 0.00 | 0.12 | 46.00 | 27.90 |
| 14 | 22.56 | 19.09 | 17.11 | 5.81 | 1.75 | 643.01 | 81.44 | 5.84 | 1.83 | 752.00 | 196.31 |
| 15 | 25.56 | 20.59 | 17.06 | 6.71 | 2.17 | 641.30 | 76.31 | 0.00 | 3.00 | 831.00 | 323.46 |
| 16 | 25.44 | 20.88 | 18.94 | 8.50 | 2.93 | 639.72 | 73.06 | 0.00 | 2.77 | 788.00 | 257.33 |
| 17 | 27.39 | 21.83 | 17.33 | 7.16 | 2.42 | 639.73 | 65.57 | 0.00 | 3.43 | 768.00 | 318.21 |
| 18 | 26.28 | 21.30 | 17.56 | 6.71 | 2.14 | 639.40 | 74.25 | 14.99 | 2.80 | 835.00 | 268.85 |
| 19 | 25.39 | 21.41 | 18.39 | 6.26 | 1.81 | 640.32 | 74.92 | 0.00 | 2.13 | 868.00 | 219.62 |
| 20 | 25.44 | 20.92 | 18.11 | 5.81 | 2.12 | 640.41 | 77.91 | 1.27 | 2.52 | 738.00 | 255.20 |
| 21 | 24.56 | 19.40 | 17.22 | 7.60 | 2.22 | 641.47 | 84.55 | 29.46 | 2.13 | 830.00 | 268.86 |
| 22 | 25.56 | 20.34 | 16.00 | 6.71 | 2.40 | 640.97 | 75.14 | 0.26 | 2.95 | 800.00 | 296.75 |
| 23 | 23.33 | 19.29 | 17.33 | 7.16 | 2.45 | 641.50 | 83.57 | 19.05 | 1.47 | 770.00 | 154.00 |
| 24 | 24.00 | 19.71 | 16.28 | 6.71 | 2.22 | 642.39 | 80.55 | 0.51 | 2.39 | 596.00 | 260.04 |
| 25 | 24.00 | 19.31 | 16.94 | 8.50 | 2.30 | 641.59 | 85.38 | 19.05 | 1.70 | 837.00 | 201.42 |
| 26 | 23.72 | 19.47 | 16.33 | 7.60 | 2.17 | 641.53 | 81.16 | 0.00 | 1.85 | 775.00 | 189.31 |
| 27 | 22.67 | 19.17 | 16.78 | 5.37 | 1.82 | 641.90 | 84.69 | 3.56 | 1.47 | 803.00 | 171.40 |
| 28 | 24.39 | 20.52 | 17.78 | 7.16 | 2.37 | 641.63 | 78.98 | 0.00 | 2.34 | 830.00 | 243.77 |
| 29 | 26.39 | 21.50 | 17.39 | 6.71 | 2.26 | 641.15 | 72.31 | 2.54 | 2.82 | 798.00 | 288.60 |
| 30 | 25.89 | 20.87 | 18.39 | 9.84 | 2.46 | 641.21 | 79.84 | 5.84 | 2.80 | 911.00 | 295.22 |
| TOTAL | | | | | | | <u> </u> | 219.46 | 69.66 | | |
| PROM | 24.46 | 19.97 | 17.02 | 6.93 | 2.18 | 641.97 | 77.05 | | | 758.57 | 242.01 |

Cuadro 1: Resúmen de análisis climatológico

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| | Lluvias por | | | | Lluvias por | | | | PT | D | P | DM | MM | IMM | IM5 | |
|-------|-------------|-------|----|----|-------------|------|----|----|-----|--------|-------|-------|--------|-------|--------|--------|
| Día | | inten | | | | jorn | | | CLL | (mm) | | | (min) | (mm) | (mm/h) | (mm/h) |
| | F | M | L | LL | Md | Mñ | T | N | | ` ′ | (h) | (%) | , | | , , | |
| 1 | 0 | 1 | 2 | 0 | 2 | 0 | 1 | 0 | 3 | 2.54 | 0.50 | 2.08 | 25.00 | 2.03 | 4.06 | 15.24 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2.54 | 0.33 | 1.39 | 25.00 | 2.54 | 5.08 | 15.24 |
| 7 | 0 | 0 | 4 | 0 | 3 | 0 | 1 | 0 | 4 | 3.05 | 0.83 | 3.47 | 45.00 | 1.78 | 2.14 | 6.12 |
| 8 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 16.76 | 1.00 | 4.17 | 80.00 | 16.76 | 11.83 | 73.08 |
| 9 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 3 | 2.54 | 0.75 | 3.13 | 45.00 | 1.78 | 2.14 | 6.00 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 2 | 1 | 6 | 0 | 2 | 1 | 0 | 6 | 9 | 89.41 | 8.42 | 35.07 | 275.00 | 41.15 | 8.82 | 45.72 |
| 12 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0.25 | 0.08 | 0.35 | 10.00 | 0.25 | 1.00 | 3.00 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0 | 1 | 3 | 0 | 0 | 0 | 2 | 2 | 4 | 5.84 | 1.25 | 5.21 | 60.00 | 4.83 | 4.46 | 9.24 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 14.99 | 1.17 | 4.86 | 75.00 | 13.72 | 10.29 | 54.84 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 1.27 | 0.33 | 1.39 | 20.00 | 1.02 | 2.45 | 6.12 |
| 21 | 1 | 1 | 7 | 0 | 2 | 1 | 2 | 4 | 9 | 29.46 | 4.33 | 18.06 | 55.00 | 17.27 | 17.27 | 57.84 |
| 22 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0.26 | 0.08 | 0.35 | 10.00 | 0.26 | 1.04 | 3.12 |
| 23 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 19.05 | 1.83 | 7.64 | 145.00 | 18.80 | 7.52 | 57.96 |
| 24 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0.51 | 0.08 | 0.35 | 10.00 | 0.51 | 2.04 | 6.12 |
| 25 | 1 | 0 | 5 | 0 | 0 | 2 | 3 | 1 | 6 | 19.05 | 2.17 | 9.03 | 70.00 | 15.75 | 12.60 | 30.48 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 2 | 3 | 3.56 | 0.58 | 2.43 | 30.00 | 3.05 | 5.23 | 12.24 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2.54 | 0.33 | 1.39 | 25.00 | 2.54 | 5.08 | 12.24 |
| 30 | 0 | 2 | 4 | 0 | 2 | 0 | 0 | 4 | 6 | 5.84 | 1.58 | 6.60 | 130.00 | 3.30 | 1.47 | 3.12 |
| MAX | 2 | 2 | 7 | 0 | 3 | 2 | 3 | 6 | 9 | 89.41 | 8.42 | 35.07 | 275.00 | 41.15 | 17.27 | 73.08 |
| TOTAL | 7 | 12 | 40 | 0 | 13 | 4 | 20 | 22 | 59 | 219.46 | 25.67 | 3.56 | | | | |

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