

Estación: San Jose Fecha: Junio de 2010 Registros: 30 de 30

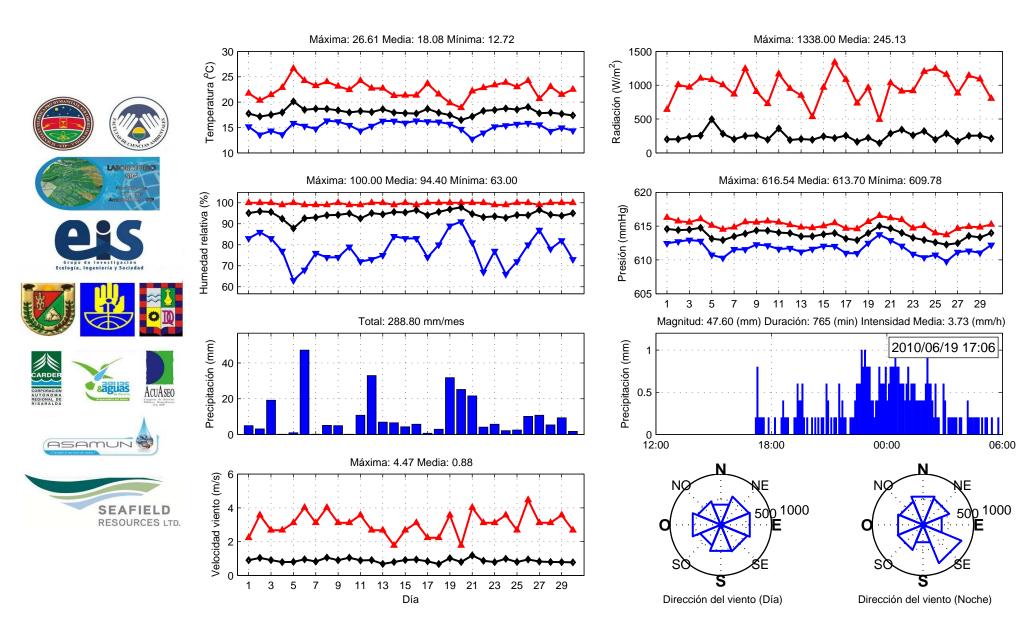
Reporte climatológico mensual

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 | | | Vel. Viento | | Presión | Humedad | Precipitación | Evap | Radiació | |
|-------|-------------|-------|-------|-------------|--------|---------|---------|---------------|-------|----------|--------|
| Día | (°C) | | (m/s) | | (mmHg) | (%) | (mm) | (mm) | | | |
| | Máx | Media | Mín | Máx | Media | Media | Media | Total | Total | Máx | Media |
| 1 | 21.72 | 17.73 | 15.16 | 2.23 | 0.90 | 614.56 | 95.10 | 5.00 | 1.50 | 640.00 | 200.12 |
| 2 | 20.33 | 17.15 | 13.55 | 3.57 | 1.04 | 614.41 | 95.94 | 3.20 | 2.22 | 1007.00 | 200.50 |
| 3 | 21.44 | 17.50 | 14.33 | 2.68 | 0.91 | 614.47 | 95.61 | 19.20 | 1.78 | 969.00 | 238.86 |
| 4 | 22.88 | 17.95 | 13.61 | 2.68 | 0.79 | 614.76 | 92.40 | 0.20 | 1.88 | 1102.00 | 255.79 |
| 5 | 26.61 | 20.12 | 15.83 | 3.12 | 0.81 | 613.13 | 87.81 | 1.00 | 2.18 | 1081.00 | 497.57 |
| 6 | 24.22 | 18.48 | 15.27 | 4.02 | 0.96 | 612.93 | 92.60 | 47.20 | 1.75 | 1005.00 | 282.08 |
| 7 | 23.22 | 18.69 | 14.72 | 3.12 | 0.83 | 613.47 | 93.02 | 0.20 | 1.32 | 867.00 | 201.82 |
| 8 | 24.00 | 18.65 | 16.33 | 4.02 | 1.06 | 613.88 | 94.08 | 5.20 | 1.76 | 1245.00 | 250.49 |
| 9 | 23.11 | 18.37 | 16.16 | 3.12 | 0.90 | 614.36 | 94.22 | 5.00 | 1.70 | 904.00 | 256.55 |
| 10 | 22.44 | 17.96 | 15.44 | 3.12 | 1.05 | 614.32 | 94.91 | 0.20 | 1.32 | 726.00 | 193.90 |
| 11 | 24.22 | 18.22 | 14.33 | 3.57 | 0.89 | 614.04 | 92.56 | 10.80 | 2.35 | 1167.00 | 361.22 |
| 12 | 22.72 | 18.03 | 15.27 | 2.68 | 0.91 | 613.95 | 95.07 | 33.00 | 1.10 | 951.00 | 190.01 |
| 13 | 22.72 | 18.59 | 16.27 | 2.68 | 0.69 | 613.48 | 94.47 | 7.00 | 1.40 | 849.00 | 203.95 |
| 14 | 21.27 | 17.91 | 16.27 | 1.78 | 0.80 | 613.48 | 95.60 | 6.60 | 1.24 | 533.00 | 193.69 |
| 15 | 21.33 | 17.82 | 15.88 | 2.68 | 0.91 | 613.78 | 95.42 | 4.40 | 1.38 | 967.00 | 244.58 |
| 16 | 21.33 | 17.75 | 16.33 | 3.12 | 0.94 | 613.97 | 96.50 | 5.80 | 1.30 | 1338.00 | 217.27 |
| 17 | 23.66 | 18.67 | 16.16 | 2.23 | 0.84 | 613.14 | 94.06 | 0.80 | 1.74 | 1083.00 | 254.77 |
| 18 | 21.55 | 17.90 | 16.11 | 2.23 | 0.68 | 612.91 | 95.66 | 3.00 | 1.07 | 733.00 | 163.96 |
| 19 | 19.83 | 17.45 | 15.66 | 3.57 | 1.02 | 613.96 | 96.90 | 31.80 | 1.25 | 962.00 | 222.94 |
| 20 | 18.88 | 16.46 | 14.66 | 1.78 | 0.80 | 615.03 | 97.82 | 25.20 | 0.81 | 492.00 | 143.22 |
| 21 | 22.16 | 17.15 | 12.72 | 4.02 | 1.19 | 614.66 | 94.73 | 21.60 | 1.80 | 1034.00 | 286.85 |
| 22 | 22.83 | 18.27 | 13.94 | 3.12 | 0.87 | 614.00 | 93.13 | 4.20 | 2.34 | 911.00 | 342.15 |
| 23 | 23.38 | 18.45 | 15.16 | 3.12 | 0.79 | 613.27 | 93.52 | 5.80 | 1.40 | 916.00 | 259.23 |
| 24 | 23.88 | 18.75 | 15.38 | 3.57 | 0.99 | 612.95 | 92.78 | 2.20 | 2.08 | 1202.00 | 320.64 |
| 25 | 23.00 | 18.53 | 15.66 | 2.68 | 0.80 | 612.58 | 94.20 | 2.60 | 1.40 | 1246.00 | 196.23 |
| 26 | 24.22 | 19.04 | 15.83 | 4.47 | 0.95 | 612.26 | 94.09 | 10.20 | 2.00 | 1158.00 | 286.44 |
| 27 | 20.66 | 17.80 | 15.55 | 3.12 | 0.82 | 612.49 | 96.64 | 10.80 | 1.07 | 881.00 | 171.92 |
| 28 | 23.05 | 17.92 | 14.27 | 3.12 | 0.80 | 613.55 | 94.33 | 5.40 | 1.69 | 1143.00 | 252.03 |
| 29 | 21.50 | 17.67 | 14.94 | 3.57 | 0.79 | 613.31 | 93.82 | 9.40 | 2.67 | 1090.00 | 254.83 |
| 30 | 22.50 | 17.38 | 14.38 | 2.68 | 0.78 | 613.97 | 95.02 | 1.80 | 5.02 | 802.00 | 210.39 |
| TOTAL | | | | | | | | 288.80 | 52.52 | | |
| PROM | 22.49 | 18.08 | 15.17 | 3.05 | 0.88 | 613.70 | 94.40 | | | 966.80 | 245.13 |
| | 1 | | | | 1 | | | | | 1 | |

Cuadro 1: Resúmen de análisis climatológico

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| Día | Lluvias por intensidad | | | Lluvias por jornada | | | CLL | PT | DP | | DM (min) | MM (mm) | IMM (mm/h) | IM5 (mm/h) | | |
|-------|------------------------|----|----|------------------------|----|----|-----|----|-----|--------|-------------|------------|---------------|---------------|--------|--------|
| | F | M | L | LL | Md | Mñ | T | N | | (mm) | (h) | (%) | (min) | (mm) | (mm/n) | (mm/n) |
| 1 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 2 | 5.00 | 1.25 | 5.21 | 120.00 | 4.80 | 2.30 | 12.00 |
| 2 | 0 | 1 | 6 | 0 | 1 | 0 | 4 | 2 | 7 | 3.20 | 1.17 | 4.86 | 25.00 | 1.20 | 2.40 | 4.80 |
| 3 | 1 | 1 | 3 | 1 | 3 | 1 | 2 | 0 | 6 | 19.20 | 2.67 | 11.11 | 70.00 | 14.00 | 11.20 | 52.80 |
| 4 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0.20 | 0.08 | 0.35 | 10.00 | 0.20 | 0.80 | 2.40 |
| 5 | 0 | 0 | 3 | 0 | 2 | 0 | 1 | 0 | 3 | 1.00 | 0.33 | 1.39 | 15.00 | 0.60 | 1.80 | 4.80 |
| 6 | 1 | 0 | 2 | 0 | 1 | 1 | 1 | 0 | 3 | 47.20 | 2.58 | 10.76 | 150.00 | 46.80 | 18.12 | 79.20 |
| 7 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0.20 | 0.08 | 0.35 | 10.00 | 0.20 | 0.80 | 2.40 |
| 8 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 5.20 | 0.75 | 3.13 | 65.00 | 5.00 | 4.29 | 21.60 |
| 9 | 0 | 1 | 4 | 1 | 1 | 0 | 2 | 3 | 6 | 5.00 | 1.08 | 4.51 | 50.00 | 3.00 | 3.27 | 12.00 |
| 10 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0.20 | 0.08 | 0.35 | 10.00 | 0.20 | 0.80 | 2.40 |
| 11 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 2 | 10.80 | 0.83 | 3.47 | 70.00 | 10.20 | 8.16 | 45.60 |
| 12 | 1 | 0 | 3 | 0 | 0 | 1 | 1 | 2 | 4 | 33.00 | 3.83 | 15.97 | 180.00 | 28.00 | 9.08 | 31.20 |
| 13 | 1 | 1 | 4 | 1 | 0 | 1 | 3 | 3 | 7 | 7.00 | 0.83 | 3.47 | 20.00 | 5.20 | 12.48 | 31.20 |
| 14 | 0 | 1 | 5 | 1 | 2 | 0 | 3 | 2 | 7 | 6.60 | 2.08 | 8.68 | 85.00 | 2.60 | 1.73 | 4.80 |
| 15 | 0 | 2 | 2 | 0 | 0 | 0 | 4 | 0 | 4 | 4.40 | 1.25 | 5.21 | 40.00 | 2.20 | 2.93 | 7.20 |
| 16 | 0 | 0 | 6 | 0 | 1 | 1 | 3 | 1 | 6 | 5.80 | 1.92 | 7.99 | 55.00 | 2.20 | 2.20 | 4.80 |
| 17 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 1 | 3 | 0.80 | 0.33 | 1.39 | 20.00 | 0.40 | 0.96 | 2.40 |
| 18 | 0 | 0 | 5 | 0 | 0 | 2 | 2 | 1 | 5 | 3.00 | 1.17 | 4.86 | 35.00 | 1.40 | 2.10 | 4.80 |
| 19 | 0 | 2 | 7 | 0 | 2 | 2 | 5 | 0 | 9 | 31.80 | 7.83 | 32.64 | 415.00 | 23.60 | 3.37 | 12.00 |
| 20 | 0 | 1 | 5 | 0 | 1 | 5 | 0 | 0 | 6 | 25.20 | 5.17 | 21.53 | 350.00 | 24.00 | 4.06 | 12.00 |
| 21 | 1 | 0 | 3 | 0 | 0 | 0 | 1 | 3 | 4 | 21.60 | 1.67 | 6.94 | 50.00 | 19.20 | 20.95 | 52.80 |
| 22 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 4.20 | 0.50 | 2.08 | 25.00 | 4.00 | 8.00 | 19.20 |
| 23 | 0 | 2 | 0 | 1 | 0 | 0 | 3 | 0 | 3 | 5.80 | 1.25 | 5.21 | 40.00 | 3.40 | 4.53 | 14.40 |
| 24 | 0 | 0 | 5 | 1 | 2 | 2 | 2 | 0 | 6 | 2.20 | 0.92 | 3.82 | 75.00 | 1.20 | 0.90 | 2.40 |
| 25 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 2 | 2.60 | 0.83 | 3.47 | 70.00 | 2.40 | 1.92 | 7.20 |
| 26 | 0 | 2 | 6 | 0 | 2 | 1 | 4 | 1 | 8 | 10.20 | 3.00 | 12.50 | 70.00 | 2.80 | 2.24 | 4.80 |
| 27 | 0 | 2 | 4 | 0 | 3 | 2 | 1 | 0 | 6 | 10.80 | 2.58 | 10.76 | 195.00 | 8.40 | 2.52 | 12.00 |
| 28 | 0 | 1 | 1 | 1 | 0 | 2 | 1 | 0 | 3 | 5.40 | 1.17 | 4.86 | 85.00 | 4.80 | 3.20 | 19.20 |
| 29 | 0 | 1 | 7 | 0 | 3 | 1 | 3 | 1 | 8 | 9.40 | 2.33 | 9.72 | 70.00 | 5.60 | 4.48 | 16.80 |
| 30 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 2 | 1.80 | 0.67 | 2.78 | 40.00 | 1.40 | 1.87 | 4.80 |
| MAX | 1 | 2 | 7 | 1 | 3 | 5 | 5 | 3 | 9 | 47.20 | 7.83 | 32.64 | 415.00 | 46.80 | 20.95 | 79.20 |
| TOTAL | 7 | 19 | 96 | 7 | 28 | 23 | 57 | 21 | 129 | 288.80 | 50.25 | 6.98 | | | | |

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