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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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Soil](http://docs.google.com/alteredpics/December/SoilDec30.jpg) * [Preparing Trays by Cutting](http://docs.google.com/alteredpics/December/CuttingDec30.jpg) * [Preparing Trays with Seeds](http://docs.google.com/alteredpics/December/plantingDec30.jpg) * [Tray Preparation](http://docs.google.com/alteredpics/December/seedtraysDec30.jpg) * [Light Set-up](http://docs.google.com/alteredpics/January04/setupJan4.jpg) * [Sound Box Set-up](http://docs.google.com/alteredpics/March26/InBoxMar26.jpg) * [Measuring](http://docs.google.com/alteredpics/January10/Measuring1Jan8.jpg) * [Measuring Grass](http://docs.google.com/alteredpics/March19/measuringtray1Mar19.jpg) * [Trimming Grass](http://docs.google.com/alteredpics/February23/cuttinggrassFeb23.jpg) * [Blending Grass Blades](http://docs.google.com/alteredpics/March22/blenderMar22.jpg) * [Blades Cut to Chlorophyll Measurement](http://docs.google.com/alteredpics/March22/trays1o2Mar22.jpg) * [Tubes of 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[Tray 6, Side View--March 20](http://docs.google.com/alteredpics/March20/tray6-2Mar20.jpg) * [Tray 6, Top View--March 20](http://docs.google.com/alteredpics/March20/tray6-3Mar20.jpg)   Graphs   * [Chlorophyll Absorbency in the Tested Grass](http://docs.google.com/otherpics/graph_spec.gif) * [Number of Grass Blades for Each Height](http://docs.google.com/otherpics/Graph_clorphyll.gif) * [Total Number of Blades in Each Category](http://docs.google.com/otherpics/graph_total_blades.gif) * [Number of Hard Rock Blades for Each Height](http://docs.google.com/otherpics/graph_HR.gif) * [Number of Hawaiian Blades for Each Height](http://docs.google.com/otherpics/graph_Haw.gif) * [Number of Classical Blades for Each Height](http://docs.google.com/otherpics/graph_classical.gif) * [Number of Jazz Blades for Each Height](http://docs.google.com/otherpics/graph_Jazz.gif) * [Number of Rap Blades for Each Height](http://docs.google.com/otherpics/graph_rap.gif) * [Number of No Music Blades for Each Height](http://docs.google.com/otherpics/graph_no_music.gif) * [Total Chlorophyll Absorbency from Wavelengths 400 to 720](http://docs.google.com/otherpics/graph_chart_1.gif) * [Average Chlorophyll Absorbency from Wavelengths 400 to 720](http://docs.google.com/otherpics/graph_chart_2.gif) * [Hard Rock Frequency Spectrum](http://docs.google.com/otherpics/hardrockboth.gif) * [Hawaiian Frequency Spectrum](http://docs.google.com/otherpics/hawaiianboth.gif) * [Classical Frequency Spectrum](http://docs.google.com/otherpics/classicalboth.gif) * [Jazz Frequency Spectrum](http://docs.google.com/otherpics/jazzboth.gif) * [Rap Frequency Spectrum](http://docs.google.com/otherpics/rapboth.gif)   Sound Samples   * [Classical Sound Clip](http://docs.google.com/sound/mozart5y.wav) * [Hardrock Sound Clip](http://docs.google.com/sound/hardrock17Y.wav) * [Hawaiian Sound Clip](http://docs.google.com/sound/hawaiianY.wav) * [Jazz Sound Clip](http://docs.google.com/sound/udrcvr1y.wav) * [Rap Sound Clip](http://docs.google.com/sound/rap15Y.wav)   Raw Data   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Absorbency of the Chloroplasts at Each Wavelength | | | | | | | |  | Hard Rock | Hawaiian | Classical | Jazz | Rap | No Music | | 400 | 2 | 1.2 | 1.5 | 2 | 2 | 2 | | 420 | 2 | 1.2 | 1.4 | 1.7 | 2 | 2 | | 440 | 2 | 1.1 | 1.35 | 1.6 | 1.9 | 2 | | 460 | 2 | 1.1 | 1.3 | 1.5 | 1.6 | 2 | | 480 | 1.4 | 0.95 | 1.1 | 1.4 | 1.5 | 2 | | 500 | 0.9 | 0.85 | 1 | 1.2 | 1.2 | 1.5 | | 520 | 0.62 | 0.725 | 0.9 | 1 | 1 | 1.2 | | 540 | 0.56 | 0.66 | 0.85 | 0.95 | 0.9 | 1.1 | | 560 | 0.54 | 0.62 | 0.8 | 0.9 | 0.85 | 1 | | 580 | 0.58 | 0.63 | 0.8 | 0.9 | 0.85 | 1 | | 600 | 0.6 | 0.64 | 0.8 | 0.9 | 0.85 | 1 | | 620 | 0.67 | 0.62 | 0.8 | 0.9 | 0.875 | 1.05 | | 640 | 0.7 | 0.62 | 0.8 | 0.9 | 0.9 | 1.1 | | 660 | 1.04 | 0.75 | 0.9 | 1.05 | 1.1 | 1.3 | | 680 | 0.95 | 0.9 | 1 | 1.2 | 1.3 | 1.5 | | 700 | 0.8 | 0.95 | 1.1 | 1.2 | 1.2 | 1.3 | | 720 | 1 | 1.1 | 1.25 | 1.3 | 1.3 | 1.4 | | 740 | 1.2 | 1.2 | 1.45 | 1.5 | 1.4 | 1.5 |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Height/Number of the Blades of Grass | | | | | | | |  | Hard Rock | Hawaiian | Classical | Jazz | Rap | No Music | | 1 |  |  |  |  |  |  | | 2 |  |  |  |  |  |  | | 3 |  | 4 |  |  |  |  | | 4 |  | 11 |  |  |  | 2 | | 5 | 1 | 51 | 5 | 4 | 38 | 55 | | 6 | 3 | 61 | 9 | 31 | 29 | 90 | | 7 | 9 | 51 | 14 | 11 | 24 | 30 | | 8 | 9 | 41 | 4 | 11 | 12 | 30 | | 9 | 7 | 32 | 5 | 24 | 19 | 22 | | 10 | 4 | 35 | 5 | 12 | 25 | 37 | | 11 | 11 | 32 | 4 | 12 | 20 | 28 | | 12 | 12 | 29 | 3 | 14 | 17 | 13 | | 13 | 9 | 17 | 3 | 9 | 14 | 7 | | 14 | 8 | 15 | 1 | 1 | 2 | 4 | | 15 | 7 | 7 | 1 |  |  | 2 | | 16 | 8 | 8 |  |  |  | 2 | | 17 | 1 | 5 |  |  |  |  | | 18 | 1 | 2 |  |  |  |  | | 19 | 1 | 1 | 1 |  |  |  | | 20 |  |  |  |  |  |  | | 21 |  |  |  |  |  |  | | 22 |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Absorbancy of Chlorophyll | | | | | | | |  | Hard Rock | Hawaiian | Classical | Jazz | Rap | No Music | | Total | 19.86 | 15.815 | 19.1 | 22.1 | 22.725 | 25.95 | | Average | 1.168235294 | 0.930294118 | 1.123529412 | 1.3 | 1.336764706 | 1.526470588 |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Total Number of Blades | | | | | | | |  | Hard Rock | Hawaiian | Classical | Jazz | Rap | No Music | | Total | 91 | 402 | 55 | 129 | 201 | 322 | |