



Aquatic Plants Direct
Located in the Armadale hills area of Perth, Western Australia

Grow Thriving Aquatic Plants

GOOD: Classic Gravel or Inert Sand

- Reliable and cost-effective
 - Anchors plant roots and supports beneficial bacteria
 - Neutral and stable—won't change your water's chemistry
 - Great for beginners or easy-care tanks
 - Tip: Add root tabs or water fertilizers for lushest growth.
- *Most cost-effective option — perfect for budget-conscious setups.*

BETTER: Commercial Planted Aquarium Mix

- Designed for stronger, healthier plant growth
 - Pre-loaded with nutrients for excellent root health
 - Maintains good water conditions for your plants
 - Promotes vibrant colors and speedy plant establishment
 - Result: Easier plant care, great for hobbyists looking for a lush garden look!
- *Expensive compared to gravel, but delivers excellent results for vibrant tanks.*

BEST: The Walstad Method (Soil-Base, Natural Balance)

- The natural planted aquarium revolution
 - Organic soil layer topped with sand or gravel
 - Long-lasting nutrients, less ongoing effort
 - Creates a self-balancing mini-ecosystem—nature's recipe for thriving tanks
 - For passionate aquascapers: Enjoy spectacular, low-maintenance plant growth with a natural style!
- *For those who have time and patience — rewarding, natural aquascapes.*

Key Notes:

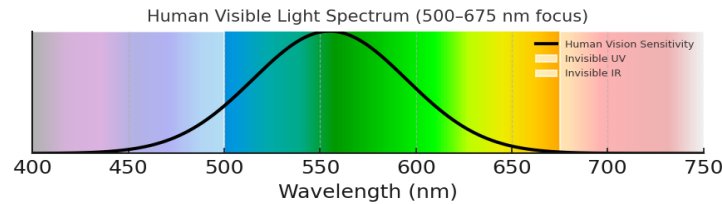
- Good = Most cost effective
- Better = Expensive but vibrant
- Best = For those with time and patience

■ aquaticplantswa@gmail.com | ■ 0402 788 729 | Mount Nasura, WA

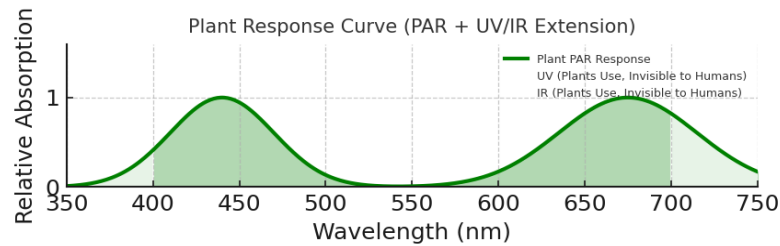


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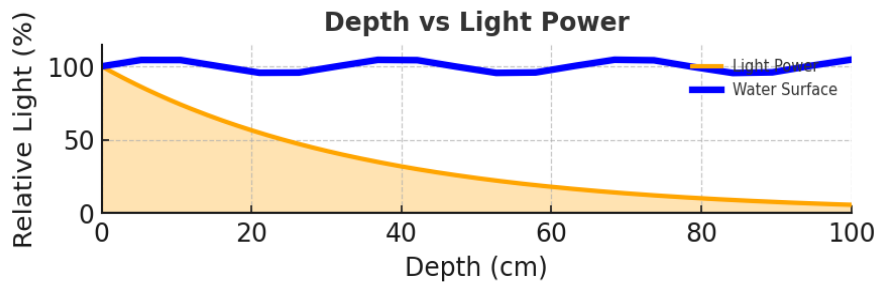
Visible Light vs Plant Response (PAR)



Human Visible Light Spectrum (500–675 nm)
Human vision peaks in yellow-green, but misses UV & IR at the edges.



Plant Response Curve (350–750 nm)
Plants extend light use into UV & IR, invisible to humans.



Depth vs Light Power
Deeper tanks need proportionally stronger lighting.

Key Notes:

- Humans only perceive part of the spectrum (yellow-green peak).
- Plants use light beyond our vision — UV & IR.
- Deeper aquariums require proportionally stronger lighting systems.

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