

## Information about the Half-Life of Chemistries at Different pH Levels

<i>Chemistry</i>	<i>Trade Name</i>	<i>Optimum pH</i>	<i>Alkaline (pH 8-9)</i>	<i>Neutral (pH 7)</i>	<i>Acidic (pH 4-6)</i>
2,4-D Amine	Weedar	4.5	Unstable	Stable	Stable
Acephate	Avatar, Orthene	7.0	16 days	46 days	40 days
Atrazine	Decomposes slowly in alkaline solutions: rapidly if lime is present				
Azoxystrobin	Heritage	Stable over a wide range of pH			
Bacillus Thuringienis	Remede8	< / = 8.0	Incompatible w/ highly alkaline materials		
Benefenethrin	Talstar	Stable over pH range 5 to 9			
Benomyl	Benlate	5.0	Unstable	1 Hour	80 hours at 5.0
Carbaryl	Sevin	7.0	24 hours	24 days	100 days
Chloropyrifos	Lorsban, Dursban	5.0	1.5 days	Stable	Stable
Chlorothalonil	Pegasus, Daconil		Stable	Stable	Stable
Copper Hydroxide/ Mancozeb	Junction	5.0	Optimum range of 4 to 7		
Dicamba	Banvel	5.5	Unstable	Unstable	Stable at 5.0-6.0
Dicofol	Kelthane	5.0	1 day	5 days	20+ days
Diquat	Stable at pH of 7 or below; decomposes in alkaline conditions				
Fluazifot-P-butyl	Fusilade	4.5	17 days	147 days	455 days
Flurprimidol	Cutless	Stable over a wide range of pH			
Formasulfuron	Revolver	7.0			
Fosetyl-al	Aliette, Autograph	6.0	Unstable	Stable	Stable
Gibberellic Acid	GibGro	< 7.0	Should not be mixed w/ alkaline materials		
Glyphosate	Several	3.5-4.0			
Imidacloprid	Amire, Merit	7.5	Greater than 31 days at pH 5 to 9		
Iprodione	Raven, 26GT	7.0	Undergoes alkaline hydrolysis		
Maneb	Wingman	5.0	34 hours	17 hours	20 days
Metalaxyl	Ridomil, Subdue Maxx	5.0-9.0	Buffer to a pH of less than 7.5		
Metsulfuron	Manor	> 7.0	May degrade in acid solutions in 24 hours		
Pendimethalin	Knighthawk		Stable	Stable	Stable
Permethrin		4.0	Unstable	Stable	Stable
Pyraclostrobin	Insignia	Stable over a wide range of pH			
Simazine	Princep	5.0	24 days		96 days at 5.0
Thiophanate-methyl	Cleary 3336, T-Bird	6.0-7.0	Unstable	Stable	Unstable
Triadimefon	Bayleton	Stable over a wide range of pH			
Trichlorfon	Dylox	6.0	63 minutes	6.5 hours	3.7 days at 6.0
Trifloxy Sulfuron- Sodium	Monument	7.0			

# Maintain a Better pH Balance.



## TERRA BONNE

BUpH-IT Tank Buffering Aid



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Why waste time and money?

**MAXIMIZE** your application.

**BUpH-IT** is a safe to use spray tank acidifier/indicator that provides an easy and convenient way of managing tank mix pH. **BUpH-IT** corrects the alkaline hydrolysis of pesticides and certain fertilizers, and corrects hard water conditions in the spray tank solution.

### Benefits of using BUpH-IT:

- **BUpH-IT** + Chemicals/Nutrients = increased performance
- Contains an indicator dye to assist in pH adjustments
- Dye changes to red when you reach optimal pH levels
- Prevents degradation of pesticides
- Neutralizes bicarbonates in tank mix water
- Apply at 4-8 oz per 100 gal of water
- **Low cost** treatment option!



### What is pH?

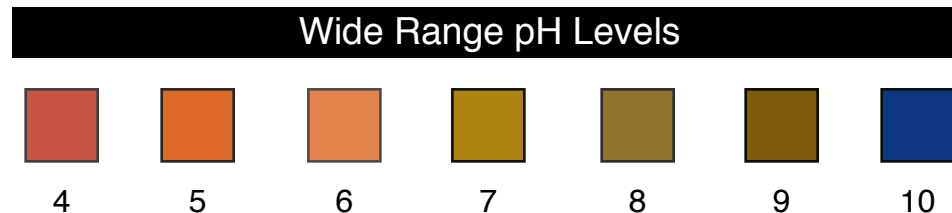
pH is a scale that expresses the concentration of hydrogen (H) ions in a solution. It represents the alkalinity of a solution on a range between 1-14.

A pH of 7 is neutral, less than 7 is acidic and more than 7 is alkaline.

### pH Instant Test

Using a cup-size sample, immerse one pH strip for 2-3 seconds. Remove strip with pad face up. DO NOT SHAKE OFF EXCESS WATER. With pad still facing up, wait **15 seconds and read the strip**. Discard the strip after 30 seconds.

Use the pH range below.



*"So Easy  
a Parrot-Head  
Can Do It."*



Ask your Sales Representative for a complete **BUpH-IT** brochure with complimentary pH testing strips.