

Recommendation table for choosing the correct MixRite Models with various common liquid additives



| Additive type   | Common concentration | Car wash CW | By Pass models | Chlorine models CL | 14 Series CW | PVDF models |
|---|----------------------|-------------|----------------|--------------------|--------------|-------------|
| Combination of organic acids for livestock water treatment like Selco PH, Sid 2000 etc. | Up to 10%            | Yes *       | OK             | OK                 | OK           | OK          |
|   | Above 10%            | Yes *       | OK             | OK                 | OK           | OK          |
| Sugar substitute - various  | All concentrations   | Yes *       | Yes            | Yes                | Yes          | Yes         |
| Veterinary medications based on oily solutions  | All concentrations   | Yes *       | OK             | OK                 | OK           | OK          |
| Citrus peels & vegetable extracts for livestock water treatment                         | All concentrations   | Yes *       | OK             | OK                 | OK           | OK          |
| Molasses  | All concentrations   | Yes *       | Yes            | Yes                | Yes          | Yes         |
| Chlorine Dioxide  | All concentration    | No          | No             | Yes *              | OK           | Yes         |
| Sodium hypochlorite   | All concentrations   | No          | No             | Yes *              | Yes          | Yes         |
| Caustic Soda NaOH (Sodium Hydroxide)  | All concentrations   | Yes *       | No             | OK                 | Yes          | OK          |
| Aluminium Sulphate (fluculant)  | All concentrations   | Yes *       | Yes            | Yes                | Yes          | Yes         |
| Ammonium Nitrate (Fertilizer)   | All concentrations   | Yes *       | Yes            | Yes                | Yes          | Yes         |
| Sulfuric acid   | Up to 10%            | Yes *       | OK             | Yes                | Yes          | Yes         |
|   | Above 10%            | No *        | No             | No                 | No           | Yes *       |
| Chloric Acid  | Up to 10%            | Yes *       | OK             | Yes                | Yes          | Yes         |
|   | Above 10%            | No          | No             | No                 | No           | Yes *       |
| Nitric Acid   | Up to 10%            | Yes *       | OK             | Yes                | Yes          | Yes         |
|   | Above 10%            | No          | No             | No                 | No           | Yes *       |
| Phosphoric Acid   | Up to 10%            | No          | No             | Yes                | Yes *        | Yes         |
|   | Above 10%            | No          | No             | No                 | No           | Yes *       |
| Organic fertilizers & fresh chicken manure solution                                     | No                   | Yes *       | OK             | OK                 | OK           | OK          |
| Hydrogen Peroxide   | Up to 10%            | Yes *       | Yes            | Yes                | Yes          | Yes         |
|   | Above 10%            | Yes *       | No             | Yes                | Yes          | Yes         |
| Hydrofluoric Acid HF  | All concentrations   | OK          | No             | OK                 | OK           | Yes *       |
| All types of cutting oils and coolants  | All concentrations   | Yes *       | No             | Yes                | No           | Yes         |
| Car wash cleaning agent   | All concentrations   | Yes *       | No             | OK                 | OK           | OK          |
| Car Wash Pre wash agent   | All concentrations   | Yes *       | No             | OK                 | OK           | OK          |
| Car wash drying solutions   | All concentrations   | Yes *       | Yes            | Yes                | Yes          | Yes         |
| Wash up hand dish washing detergent   | All concentrations   | Yes *       | Yes *          | Yes                | Yes          | Yes         |
| Offset printing Fluid (Fountain solution concentrate)                                   | All concentrations   | Yes *       | Yes            | Yes                | Yes          | Yes         |
| Beer line cleaning agent  | All concentrations   | Yes *       | OK             | OK                 | OK           | OK          |
| Multi Fertilizer N.P.K. + Micro elements  | All concentrations   | Yes *       | Yes            | Yes                | Yes          | Yes         |
| Iron fertilizer Fe138 (Sequestrin)  | All concentrations   | Yes *       | Yes            | Yes                | Yes          | Yes         |
| Natural vinegar & dry cider vinegar   | All concentration    | Yes *       | OK             | OK                 | OK           | OK          |
| Lemon Salt & Citric Acid  | All concentration    | Yes *       | OK             | OK                 | OK           | OK          |
| PerAceticAcid   | All concentration    | Yes *       | OK             | OK                 | Yes          | OK          |
| Salicylic acid  | All concentration    | Yes *       | Yes            | Yes                | Yes          | Yes         |
| Lactic Acid   | All concentration    | Yes *       | Yes            | Yes                | Yes          | Yes         |
| Cooper Sulphate   | All concentration    | Yes *       | Yes            | Yes                | Yes          | Yes         |
| Sodium Bicarbonate  | All concentration    | Yes *       | Yes            | Yes                | Yes          | Yes         |
| Quaternary Amonium  | All concentration    | Yes *       | Yes            | Yes                | Yes          | Yes         |

\* Recommended for use

**Remarks:** These are the results of our experience in the most ideal conditions for the MixRite injectors to operate.

But, it may not be indicative to all conditions E.G. temperature, mineral content of water, etc. which have an effect on the results.

We recommend your contacting us for advise before using any combination of additives that is not on that list or needs special attention.



| Concentration              | FERTILIZER & GENERAL CHEMICALS USED IN AGRICULTURE MARKET |           |           | AMMONIUM NITRATE NH <sub>4</sub> NO <sub>3</sub> |           |           | SULPHURIC ACID H <sub>2</sub> SO <sub>4</sub> |           |           | CHLORIC ACID HCl |           |           | NITRIC ACID HN0 <sub>3</sub> |           |           | PHOSPHORIC ACID H <sub>3</sub> PO <sub>4</sub> |           |           | GUANO NATURAL ORGANIC FERTILIZER |           |           | SODIUM HYPOCHLORITE NaClO |          |           | NATURAL CHICKEN MANURE |           |           | HYDROGEN PEROXID H <sub>2</sub> O <sub>2</sub> |           |      | CAUSTIC SODA NaOH (Sodium Hydroxide) |      |      | MULTI FERTILIZER N.P.K+ MICRO-ELEMENTS |  |  | IRON FERTILIZER 138Fa (Sequestrin) |  |  |
|----------------------------|---|-----------|-----------|--|-----------|-----------|---|-----------|-----------|------------------|-----------|-----------|------------------------------|-----------|-----------|--|-----------|-----------|----------------------------------|-----------|-----------|---------------------------|----------|-----------|------------------------|-----------|-----------|--|-----------|------|--------------------------------------|------|------|--|--|--|------------------------------------|--|--|
|                            | Low   | Med.      | High      | Low  | Med.      | High      | Low   | Med.      | High      | Low              | Med.      | High      | Low                          | Med.      | High      | Low  | Med.      | High      | Low                              | Med.      | High      | Low                       | Med.     | High      | Low                    | Med.      | High      | Low  | Med.      | High | Low                                  | Med. | High |  |  |  |                                    |  |  |
| Categories                 | Up to 10%   | Up to 20% | Up to 50% | Up to 10%  | Up to 20% | Above 20% | Up to 10%                                     | Up to 31% | Up to 50% | Up to 10%        | Up to 20% | Above 20% | Up to 10%                    | Up to 20% | Up to 10% | Up to 20%                                      | Up to 10% | Up to 20% | Up to 10%                        | Up to 20% | Up to 10% | Up to 5%                  | Above 5% | Up to 10% | Up to 35%              | Up to 50% | Up to 20% | Up to 50%                                      | Up to 80% |      |                                      |      |      |  |  |  |                                    |  |  |
|                            | Up to 10%   | Up to 20% | Up to 50% | Up to 10%  | Up to 20% | Above 20% | Up to 10%                                     | Up to 31% | Up to 50% | Up to 10%        | Up to 20% | Above 20% | Up to 10%                    | Up to 20% | Up to 10% | Up to 20%                                      | Up to 10% | Up to 20% | Up to 10%                        | Up to 20% | Up to 10% | Up to 5%                  | Above 5% | Up to 10% | Up to 35%              | Up to 50% | Up to 20% | Up to 50%                                      | Up to 80% |      |                                      |      |      |  |  |  |                                    |  |  |
|                            | Up to 10%   | Up to 20% | Up to 50% | Up to 10%  | Up to 20% | Above 20% | Up to 10%                                     | Up to 31% | Up to 50% | Up to 10%        | Up to 20% | Above 20% | Up to 10%                    | Up to 20% | Up to 10% | Up to 20%                                      | Up to 10% | Up to 20% | Up to 10%                        | Up to 20% | Up to 10% | Up to 5%                  | Above 5% | Up to 10% | Up to 35%              | Up to 50% | Up to 20% | Up to 50%                                      | Up to 80% |      |                                      |      |      |  |  |  |                                    |  |  |
|                            | Up to 10%   | Up to 20% | Up to 50% | Up to 10%  | Up to 20% | Above 20% | Up to 10%                                     | Up to 31% | Up to 50% | Up to 10%        | Up to 20% | Above 20% | Up to 10%                    | Up to 20% | Up to 10% | Up to 20%                                      | Up to 10% | Up to 20% | Up to 10%                        | Up to 20% | Up to 10% | Up to 5%                  | Above 5% | Up to 10% | Up to 35%              | Up to 50% | Up to 20% | Up to 50%                                      | Up to 80% |      |                                      |      |      |  |  |  |                                    |  |  |
|                            | Up to 10%   | Up to 20% | Up to 50% | Up to 10%  | Up to 20% | Above 20% | Up to 10%                                     | Up to 31% | Up to 50% | Up to 10%        | Up to 20% | Above 20% | Up to 10%                    | Up to 20% | Up to 10% | Up to 20%                                      | Up to 10% | Up to 20% | Up to 10%                        | Up to 20% | Up to 10% | Up to 5%                  | Above 5% | Up to 10% | Up to 35%              | Up to 50% | Up to 20% | Up to 50%                                      | Up to 80% |      |                                      |      |      |  |  |  |                                    |  |  |
| Standard Models            | G   | G         | N/R       | G  | N/R       | N/R       | N/R   | N/R       | G         | N/R              | N/R       | N/R       | G                            | N/R       | N/R       | N/R  | N/R       | G         | N/R                              | N/R       | N/R       | N/R                       | N/R      | N/R       | N/R                    | N/R       | N/R       | N/R  | N/R       | N/R  | N/R                                  | N/R  | N/R  | N/R                                    |  |  |                                    |  |  |
| By Pass Models             | G   | G         | G         | G  | G         | G         | N/R   | N/R       | N/R       | N/R              | N/R       | N/R       | N/R                          | N/R       | N/R       | N/R  | N/R       | N/R       | N/R                              | N/R       | N/R       | N/R                       | N/R      | N/R       | N/R                    | N/R       | N/R       | N/R  | N/R       | N/R  | N/R                                  | N/R  | N/R  | N/R                                    |  |  |                                    |  |  |
| External & Internal Models | G   | G         | G         | G  | G         | G         | N/R   | N/R       | N/R       | N/R              | N/R       | N/R       | N/R                          | N/R       | N/R       | N/R  | N/R       | N/R       | N/R                              | N/R       | N/R       | N/R                       | N/R      | N/R       | N/R                    | N/R       | N/R       | N/R  | N/R       | N/R  | N/R                                  | N/R  | N/R  | N/R                                    |  |  |                                    |  |  |
| Chemical Resistant Models  | G   | G         | G         | G  | G         | N/R       | N/R   | N/R       | G         | N/R              | N/R       | N/R       | G                            | N/R       | N/R       | N/R  | N/R       | G         | N/R                              | N/R       | N/R       | N/R                       | N/R      | N/R       | N/R                    | N/R       | N/R       | N/R  | N/R       | N/R  | N/R                                  | N/R  | N/R  | N/R                                    |  |  |                                    |  |  |
| PVDF Models                | V/G   | V/G       | V/G       | V/G  | V/G       | V/G       | V/G   | V/G       | V/G       | V/G              | V/G       | V/G       | V/G                          | V/G       | V/G       | V/G  | V/G       | V/G       | V/G                              | V/G       | V/G       | V/G                       | V/G      | V/G       | V/G                    | V/G       | V/G       | V/G  | V/G       | V/G  | V/G                                  | V/G  | V/G  | V/G                                    |  |  |                                    |  |  |

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**INDEX**

|           |      |                 |
|-----------|------|-----------------|
|           |      |                 |
| VERY GOOD | GOOD | NOT RECOMMENDED |