

ZMC-Grow™ is recommended to be applied as a foliar fertilizer for correcting zinc, manganese and copper deficiencies of the plant. The precise dosages will depend on the severity of deficiencies.

Our dosage recommendations are described in this document, and are based on Tracegrow's best available empirical and scientific knowledge. We will amend the recommendations as new data becomes available.

If you wish to use different water dosage than recommended by Tracegrow, this can be done with ones own responsibility.

Regarding plants not mentioned in this document, please note that they probably can be successfully fertilized with ZMC-Grow™, although currently we don't have detailed dosage recommendations for them. When in doubt, please contact Tracegrow.

We welcome field trials. If you'd like to conduct field trials with ZMC-Grow™, please contact us at info@tracegrow.com. We would be pleased to assist you.



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AVOCADO

2-4,5 l/ha to 500-1000 l of water depending from local temperatures. Spray at leaf development (BBCH 13-19), beginning of stem growth (BBCH 31-33), development of buds and inflorescence (BBCH 51-55) or at the beginning of fruit development (BBCH 71-73) Re-apply later, if there's severe visible metal deficiency, or if the plant metal contents are too low.

BARLEY (spring crop)

2-3 l/ha to 200-400 l of water depending from local temperatures. Spray at tillering (BBCH 13-22), beginning of stem elongation (BBCH 30-32) or at flag leaf stage (BBCH 39-49). Re-apply later, if there's severe visible metal deficiency, or if the plant metal contents are too low.

BARLEY (winter crop)

2-3 l/ha to 200-400 l of water depending from local temperatures. At autumn spray until beginning of tillering. At spring spray at tillering (BBCH 13-22), beginning of stem elongation (BBCH 30-32) or at flag leaf stage (BBCH 39-49). Re-apply later, if there's severe visible metal deficiency, or if the plant metal contents are too low.

CITRUS

2-4,5 l/ha to 500-1000 l of water depending from local temperatures. Spray when over 5 leaves visible (BBCH 15), until the end of inflorescence development (BBCH 56-59) or at the beginning of fruit development (BBCH 71-72). Re-apply later, if there's severe visible metal deficiency, or if the plant metal contents are too low.

CORN

2-3 l/ha to 200-400 l of water depending from local temperatures. Spray at 2-6 leaf stage (optimum is 4 leaves, BBCH 12-16), 7-8 leaf stage (BBCH 17-18) or at stem elongation (until beginning of tassel formation, BBCH 31-51). Spraying can be done as long as the plants are not too high for the spraying equipment. Re-apply later, if there's severe visible metal deficiency, or if the plant metal contents are too low.

COTTON

2-4,5 l/ha to 400-600 l of water depending from local temperatures. Spray when 4-6 leaves have unfolded (BBCH 14-16), when 30-50 % of plants meet between rows (BBCH 33-35), when inflorescence emergence begins (BBCH 51-52) or when boll development starts (BBCH 71-72). Re-apply later, if there's severe visible metal deficiency, or if the plant metal contents are too low.

GRASS (pasture)

2-3 l/ha to 200-400 l of water depending from local temperatures. Can be used for all growing period. A 10 day interval between application and grazing is needed, so that the fertilizer has time to become absorbed to the plant structure before animal feeding. **Do not use for grass that is fed to sheep, because sheep react strongly to copper.** Re-apply later, if there's severe visible metal deficiency, or if the plant metal contents are too low.

GRASS (silage/hay)

2-3 l/ha to 200-400 l of water depending from local temperatures. Can be used for all growing period. Re-apply later, if there's severe visible metal deficiency, or if the plant metal contents are too low.

OATS

2-3 l/ha to 200-400 l of water depending from local temperatures. Spray until beginning of tillering (BBCH 13-22) or until flag leaf stage (BBCH 30-39). Re-apply later, if there's severe visible metal deficiency, or if the plant metal contents are too low.

POTATO

2-3 l/ha to 200-400 l of water depending from local temperatures. Spray when 3-6 leaves unfolded (BBCH 13-16), at beginning of tuber development (BBCH 40-41), or when tubers reach 20-30 % of their typical weight (BBCH 42-43). Re-apply later, if there's severe visible metal deficiency, or if the plant metal contents are too low.

SOYBEAN

2-3 l/ha to 200-400 l of water depending from local temperatures. Spray at first trifoliolate leaf development (BBCH 12-19), at the beginning of flower bud development (BBCH 51-59), or at beginning of pod and seed development (BBCH 69-79). Re-apply later, if there's severe visible metal deficiency, or if the plant metal contents are too low.

SUGAR BEET

2-3 l/ha to 200-400 l of water depending from local temperatures. Spray when 4-6 leaves have unfolded (BBCH 14-16), when 8 leaves have unfolded (until beginning of crop cover, BBCH 18-31) or when leaves cover 20-50 % of the ground. Re-apply later, if there's severe visible metal deficiency, or if the plant metal contents are too low.

SUNFLOWER

2-3 l/ha to 200-400 l of water depending from local temperatures. Spray at leaf development (BBCH 16-18) or at stem elongation (BBCH 30-35). Re-apply later, if there's severe visible metal deficiency, or if the plant metal contents are too low.

TOMATO

2-4,5 l/ha to 400-600 l of water depending from local temperatures. Spray when 5-9 leaves have unfolded (BBCH 15-19) or when some inflorescences are visible (BBCH 51-53). Re-apply later, if there's severe visible metal deficiency, or if the plant metal contents are too low.

WHEAT (spring crop)

2-3 l/ha to 200-400 l of water depending from local temperatures. Spray at tillering (BBCH 13-22), stem elongation (BBCH 30-38) or at heading (until early maturity of grains). Re-apply later, if there's severe visible metal deficiency, or if the plant metal contents are too low.

WHEAT (winter crop)

2-3 l/ha to 200-400 l of water depending from local temperatures. At autumn spray at 3-4 leaf stage. At spring spray at tillering (BBCH 13-22), stem elongation (BBCH 30-38) or at heading (until early maturity of grains). Re-apply later, if there's severe visible metal deficiency, or if the plant metal contents are too low.