

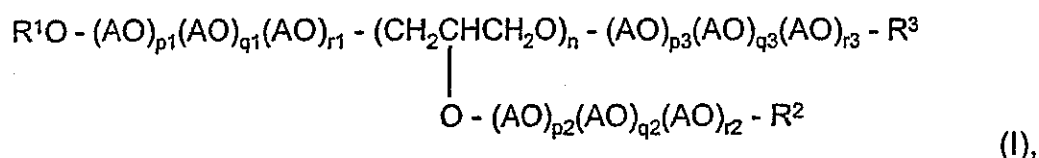
Abstract of the disclosure

Agricultural compositions comprising copolymers

- 5 The present invention relates to agricultural compositions comprising:
- A) a pesticide or a plant growth regulator
 - B) a copolymer made of
 - a) a polyglycerol ether
 - b) one or more dicarboxylic acid(s) and/or polycarboxylic acids,

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the polyglycerol ethers being defined by the formula (I)



- 15 wherein the radicals R^1 , R^2 and R^3 are independently identical or different and represent hydrogen;
- (C₁-C₃₀)-alkyl which is optionally substituted by 1 to 3 (C₁-C₄)-alkyl or (C₁-C₄)-alkoxy groups;
- (C₂-C₃₀)-alkenyl which is optionally sulfonated and optionally substituted
- 20 by 1 to 3 (C₁-C₄)-alkyl or (C₁-C₄)-alkoxy groups;
- phenyl which is optionally substituted by 1 to 3 (C₁-C₄)-alkyl or (C₁-C₄)-alkoxy groups;
- naphthyl which is optionally substituted by 1 to 3 (C₁-C₄)-alkyl or (C₁-C₄)-alkoxy groups;
- 25 groups of the formulae $R^4R^5N-(CH_2)_y$; $HO-(CH_2)_y$; $-(AO)_zH$; $-SO_3H$; $-SO_3^-X^+$; $-PO_3H_2$; $-PO_3^{2-}X^+$; $-CR_2-COOR'$; $-CR_2-COO^-X^+$; $-CO-R^6-COOH$; $-CO-R^6-COO^-X^+$; $-C(R)_2C(R)_2C(R)_2-N(R)_2$; $-C(R)_2C(R)_2C(R)_2-N((AO)_zH)_2$; $-[CH_2CH(O(AO)_zH)CH_2O]_n-R^1$;
- where R represents H and/or C₁-C₄-alkyl;
- 30 R' represents H or (C₁-C₁₀)-alkyl, (C₂-C₃₀)-alkenyl, optionally sulfonated;
- R^4 and R^5 , which can be identical or different, represent hydrogen, (C₁-C₁₀)-alkyl, (C₂-C₃₀)-alkenyl, optionally sulfonated, or a group of the formula $-(AO)_zH$;
- R^6 represents (C₁-C₁₀)-alkylene, (C₂-C₃₀)-alkenylene, optionally
- 35 sulfonated;

- X^+ represents Na^+ , K^+ , Ca^{2+} or $N(R^7)_4^+$, where R^7 represents H or (C₁-C₁₀)-alkyl, preferably (C₁-C₄)-alkyl;
- x represents a number from 0 to 15;
- y represents a number from 4 to 6;
- 5 z represents a number from 0 to 30, preferably 1 to 5;
- A represents an alkylene group, preferably a group -C₂H₄-, -C₃H₆- or -C₄H₈-;
- n represents a number from 4 to 40, preferably 5 to 20, in particular 10 to 20;
- 10 and the indices p₁, q₁, r₁, p₂, q₂, r₂, p₃, q₃ and r₃ represent numbers from 0 to 500;
- with the proviso that
- the compounds of the formula (I) comprise free OH groups, and at least one of the radicals R^1 , R^2 and R^3 represents a hydrocarbon group,
- 15 preferably (C₁-C₃₀)-alkyl.