

## PHYTO EXPLO@ FUMIGATION APPLIED IN SILOS

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### ABSTRACT

The use of PHYTO EXPLO@ equipment for the application of phosphine or methyl bromide in silo bins is described. For phosphine fumigation, aluminium phosphide packages manufactured specifically for the purpose are inserted into the PHYTO SHAFT@ tube, whereas methyl bromide is applied directly to the grain mass and its distribution is achieved using a fan connected to the PHYTO SHAFT@ tube for recirculation. The same fan can be reversed for degassing of the bin after fumigation. Trials to determine the time needed for penetration of the PHYTO EXPLO@ shaft into the grain mass revealed that between 52 and 79 min were needed to reach a depth of 20 m in a bulk of wheat. The withdrawal of the equipment from the grain mass took from 77 to 85 min.