

Delhi holds breath as burning farms herald pollution season

21 October 2018, by Abhaya Srivastava



Stubble burning by farmers in breadbasket states surrounding Delhi contribute to lethal smog which makes Indian capital the world's most polluted megacity

Harpal Singh struck a match and watched his fields burn, the acrid smoke drifting toward New Delhi where a lethal smog cocktail is once again intensifying over the world's most polluted megacity.

Every November, air pollution in northern India reaches levels unimaginable in most parts of the world, forcing schools shut and filling hospital wards with wheezing patients.

As winter descends, cooler air traps car fumes, factory emissions and construction dust close to the ground, fomenting a toxic brew of harmful pollutants that regularly exceed 30 times the World Health Organization safe limit.

The scourge is compounded as farmers like Singh—rushing to ready their fields for next season's wheat crop—use fire to quickly and cheaply clear their land.

He knows slash-and-burn farming is illegal and that

doing so, year after year, helps sicken millions in the Indian capital and beyond.

But [local authorities](#) appear powerless to stop it and—looming health crisis or not in Delhi—the narrow window to plant for the winter harvest is closing.

"We have no other choice but to burn the straw," Singh told AFP in Ishargarh, a village in Haryana state, about 120 kilometres (75 miles) northwest of Delhi.

"We know the smoke pollutes the air. But it is the cheapest and easiest way to get rid of the (crop) residue," the 65-year-old [farmer](#) told AFP, as burning straw crackled and popped behind him.



Slash-and-burn farming is illegal but deterrents, such as fines of up to \$200 for farmers flouting the law, appear to have limited effect

Deaf ears

This smoke is already reaching Delhi, bringing a familiar sepia haze and a bad omen for officials wanting to avoid a third straight year of record-setting smog.

Deterrents, such as fines of up to \$200 for farmers flouting the law, appear to have limited effect.

Satellite imagery shows countless spot fires already burning in Haryana and Punjab, two breadbasket states bordering Delhi.

S. Narayanan, from Haryana's State Pollution Control Board, said 300,000 rupees (\$4100) in fines had been issued and fires were down 40 percent in some areas.

"But our intention is not only to take punitive action, but to educate the farmers," he told AFP.

Farmers represent powerful voting blocs in rural states like Haryana and Punjab, and local authorities are reluctant to upset them.



Farmers rushing to ready their fields for next season's wheat crop use fire to quickly and cheaply clear their land

to individuals and 80 percent to groups of farmers to encourage them to use the machines.

"We are already in debt... and we can't afford even the subsidised machines," said Karnail Singh, a 60-year-old farmer. He suggested the government pay farmers by the acre not to burn their fields.

Television ads, social media campaigns and meetings at the village level have also had limited success.

Powerful farmers unions say many of the government's ideas—such as encouraging farmers to sell straw to factories—overlook extra costs imposed on poor rural families.

"Who will bear the cost of transporting the straw? Farmers are also concerned about the pollution, but they are helpless," said Sucha Singh from Bhartiya Kisan Union, a farmers' rights group.



Efforts to persuade farmers, many living below the poverty line, to adopt alternative methods of land clearance have fallen on deaf ears.

Many have balked at suggestions of buying "Happy Seeders"—expensive machines which according to media reports cost at least 150,000 rupees—that sow wheat without needing to dispose of the leftover straw.

The government is offering a subsidy of 50 percent

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Gas chamber

Many farmers feel scapegoated for the modern-day problems of India's fast-growing, chaotic cities.

The WHO in May listed 14 Indian cities in the world's top 15 with the dirtiest air, with Delhi dubbed the most polluted major centre.

"Farmers are blamed for the pollution, but nobody talks about the factories and cars and buses which are the main culprits," Singh said.

Others are more defiant.

"We are always the soft targets. We will continue to burn stubble. Let the government do what it can," said another farmer Harbans Singh.

With smoke on the horizon, the Delhi government is squaring off for a fight with its neighbours.



Authorities in the state of Haryana claim there has been a reduction in the number of fires this year, but farmers represent powerful voting blocs in rural states and local authorities are reluctant to upset them

It recently closed its last coal-fired power plant but the city's chief minister Arvind Kejriwal warned of another smog crisis if Punjab and Haryana failed to take "concrete steps" on crop fires.

"The entire region including Delhi will again become (a) gas chamber," he said on October 12.

"People will again face difficulty in breathing. This is criminal."

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