International Advance Journal of Engineering, Science and Management (IAJESM)
ISSN -2393-8048, July-December 2017, Submitted in October 2017, iajesm2014@gmail.com

Increase High Yield with The Help of Weed's Resistant Crop

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ABSTRACT

Weeds are a major problem in agriculture, competing with crops for water, nutrients, and sunlight. They can also harbor pests and diseases, and reduce crop yields. Weed-resistant crops are a promising solution to this problem.

There are a number of different ways to make crops resistant to weeds. One approach is to use genetic engineering to insert genes into the crop that make it resistant to herbicides. This is the most common method of weed resistance, and it has been used to develop a wide variety of crops, including corn, soybeans, cotton, and wheat.

Another approach to weed resistance is to use traditional breeding methods. This involves selecting crops that are naturally resistant to weeds, and then breeding them with other crops to produce a new variety that is even more resistant. This method is slower and more expensive than genetic engineering, but it can be effective in developing crops that are resistant to a wide range of herbicides.

Weed-resistant crops can help to increase crop yields by reducing the amount of time and money that farmers need to spend on weed control. This can lead to higher profits for farmers, and it can also help to reduce the environmental impact of agriculture.

KEYWORDS: Yield, Weed, Resistant, Crop

INTRODUCTION

In addition to increasing crop yields, weed-resistant crops can also help to improve food security. By reducing the amount of food that is lost to weeds, weed-resistant crops can help to ensure that there is enough food to feed the world's growing population.

Weed-resistant crops are a promising technology that has the potential to revolutionize agriculture. By increasing crop yields and improving food security, weed-resistant crops can help to make the world a more sustainable place.

Overall, weed-resistant crops have the potential to be a valuable tool for farmers. However, it is important to be aware of the challenges associated with their use, and to take steps to minimize those challenges.

Marijuana, also known as cannabis, is a plant that has been used for centuries for its medicinal and recreational properties. The plant contains the psychoactive compound THC, which is responsible for the "high" that users experience. Marijuana can be smoked, vaporized, eaten, or applied topically.

There is a growing body of research that suggests that marijuana has a number of potential medical benefits. For example, marijuana has been shown to be effective in treating chronic pain, nausea and vomiting associated with chemotherapy, and muscle spasms associated with multiple sclerosis. Marijuana may also be helpful in treating anxiety, depression, and sleep disorders.

However, marijuana also has some potential risks. For example, marijuana can impair judgment and coordination, and it can increase the risk of accidents and injuries. Marijuana can also cause respiratory problems, and it can worsen symptoms of psychosis in people who are already at risk.

The risks and benefits of marijuana use need to be weighed carefully by each individual. If you are considering using marijuana, it is important to talk to your doctor about the potential risks and benefits.

The history of marijuana use is long and complex. The plant has been used for centuries for its medicinal and recreational properties. The earliest evidence of marijuana use dates back to 6000 BC in China. Marijuana was also used in ancient India, Greece, and Rome.

In the United States, marijuana was first used by Native Americans. The plant was used for a variety of purposes, including medicinal, religious, and recreational. Marijuana use in the United

States was widespread until the early 20th century. However, in 1937, the Marijuana Tax Act was passed, which effectively criminalized marijuana use.

Marijuana use remained illegal in the United States for decades. However, in recent years, there has been a growing movement to legalize marijuana. In 2012, Colorado and Washington became the first states to legalize recreational marijuana use. Since then, several other states have also legalized recreational marijuana use.

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The legal status of marijuana varies from country to country. In the United States, marijuana is illegal under federal law. However, several states have legalized marijuana for medical or recreational use.

The risks and benefits of marijuana use need to be weighed carefully by each individual. If you are considering using marijuana, it is important to talk to your doctor about the potential risks and benefits.

INCREASE HIGH YIELD WITH THE HELP OF WEED'S RESISTANT CROP

Weeds are among the essential focus for any change manufacturing structure, decreasing capacity and viability. Herbicides are one of the best ways to control weeds, and the reliance on herbicides for weed control is closely tied to the availability of herbicide-safe crops. Sadly, the over-reliance on herbicides prompts clinical issues and the run-off of herbicide-safe weeds, causing human development and regulatory concerns. Growing crops can help manage weeds economically in the compacted construction structures required. This definitely goes as a fixing rule whereby mechanical type advancements and common bits of information can be combined to intelligently monitor weeds. Further manufactured change can be characterized as conscious consideration of vast biodiversity at temporal or possibly spatial scales to deal with the practicality and stability of climate affiliation. Crop growth helps reduce weed thickness by adversely affecting weed seed germination and weed improvement. In addition, expanded crop formations have more grounds for regular change than monoculture schemes and give better accumulated yields.

In emerging countries, weeding forms an important form of agricultural business, and weeds are usually managed through hand-weeding. However, in view of increasing urbanization, increasing labor costs and decreasing workforce in agribusiness, people are moving towards incorporating manufactured substances to control weeds.

Studies have suggested that increasing crop assortment may open weeds to a more significant number of stresses and reduce reliance on externally employed compounds for weed/burden control. Crop improvement can be briefly characterized as the efficient consideration of stable biodiversity and also at spatial levels to develop the practicality and abundance of specific design affiliations.

The increase in yield is astonishing, and a wide changing composition is discouraged more by safe blends of variety rather than monoculture, where extensive agricultural land is built up with few annual yields. Current country practices have dealt with agricultural plans to work on the fundamental yield or potential profit of a limited number of animals. Of course, a different directing system is based on creating vital, topological and socially holistic food structures.

Crop disturbance is the performance of logically improved yields on a comparable land over a long period of time, thus giving it transient irregularity. Crop turn is a proper green practice which involves getting high monetary returns with the least possible cost. The report actually did a meta-evaluation on 45 trials and revealed a 20% increase in crop yields based on crop rotation. Furthermore, another meta-evaluation on 54 assessments showed that the effect of crop disturbance indicated a 49% reduction in weed thickness. Along these lines, crop harrowing helps reduce weed stress and increase crop yields.

In monoculture the weed species are replaced for the most part by board practices and the yield is reduced. In crop upsets, herbicides are adapted to coordinated weed control strategies (no-sophisticated/till or individual herbicides, date spread, orchestrating structure), thus eliminating weed replacement and determinism. Crop Turn extends the decision weighting on weeds by using an optional affiliation system, turning model, and soil disturbance, light transmission, and timing of acclimation. Thus, the crop tends towards a coordinated weed vegetation base rather than being dominated by a single or largely any weed species, which sometimes leads to reduction of input costs.

Before the advent of herbicides, weeds were tended to by sophisticated, manual weeding and wide crop rotations. Over time, herbicides in various countries have tended to be strategies for weed control. As of now, in India, herbicides address 16% of the total pesticide market, and are widely used in crops such as rice, wheat and soybean.

Rice is the major crop in the summer, while surveying the 'Boro' rice for eastern India links numerous crops, wheat, maize, winter crops (chickpeas, lentils, field peas), potatoes and mustard to the winter season. In the spring, crops of short height such as maize, gram (moong dal, urad) and paddy are grown. Rice-wheat composition is widespread in the subtropical district of Indo-Gangetic Fields (IGP) of India while maize-wheat is average in tropical, subtropical and warm-pacific region.

P. minor became a dominant weed in the rice-wheat conversion scheme and A. ludoviciana other varying designs cast heavily drained lighter whole clays. The morphologically essentially indistinguishable properties between these grass weeds and wheat and the separation of fragments close to harvest make broadcast, manual weeding sometimes applied much of the test.

Re-use by farmers close to the class of herbicide and less than the recommended area may be the basic motive behind the rapid advancement of herbicide resistance in P. minor populations in north-west India. If the issue of containment is not addressed effectively, it may destroy the reality of rice-wheat collection here.

The morphological proximity of grass weeds such as P. minor to the wheat crop during the early tillering stage prompts farmers to kill them by hand weeding. The massive lateness, non-openness of the work and its rising cost have made mechanical weeding prohibitive beyond ridiculous. Accordingly, the use of herbicides has been an excellent and appropriate method for weed control required by wheat producers in North-West India. A rotation of herbicides with different modes of action can eliminate block yield growth in weeds.

The use of herbicides requires making site-express proposals because the potential for herbicide constraint may be site-uniform in origin. The movement has opened up some herbicides in new ways for science as well. Similarly, replacement herbicides should be used with caution to prevent the introduction of herbicide resistance in the future. At this time, P. minor social classes in different areas of Punjab and Haryana provided protection from currently exposed substitute herbicides, except for pendimethalin, trifluralin and metribuzin. Something like two herbicides with different systems for movement and degradation pathways should be applied accordingly or as tank-mixing, pre-mixing, or to delay the onset of herbicide inhibition.

Check out the improvements really p of different herbicides. There has been an epic issue in marginal wheat, where it may actually consider the legitimacy of the rice-wheat supervision structure in the north-western regions of India. In the future, herbicide deterrence may turn into a problem in straight-grown rice and soybean crops, where there is a significant dependence on the check-slanted ALS and ACCS inhibitory herbicides. Weed associated systems need to focus on reducing the confirmed stress and onset of herbicide catch-up and thereby increasing the potential availability of existing herbicides. Careful observation of herbicide resistance on farmer's fields can be expected to play a major role in developing early notification initiation schemes, which can reduce the spread of the infestation and reduce its impact on crop viability. A systematic delineation of block affected areas is attractive for giving a site-specific idea because herbicide deterrent is site-specific in a general sense.

DISCUSSION

Here are some of the benefits of using weed-resistant crops:

- Increased crop yields: Weed-resistant crops can help to increase crop yields by reducing the amount of time and money that farmers need to spend on weed control.
- Reduced environmental impact: Weed-resistant crops can help to reduce the environmental impact of agriculture by reducing the use of herbicides.
- Improved food security: Weed-resistant crops can help to improve food security by reducing the amount of food that is lost to weeds.

Here are some of the challenges of using weed-resistant crops:

- The development of herbicide-resistant weeds: One of the biggest challenges of using weed-resistant crops is the development of herbicide-resistant weeds. When weeds are exposed to herbicides over time, they can develop resistance to those herbicides. This can make it difficult to control weeds, and it can lead to lower crop yields.
- The potential for negative impacts on the environment: There is some concern that the use of weed-resistant crops could have negative impacts on the environment. For example, some herbicides used on weed-resistant crops can contaminate groundwater. Additionally, the use of weed-resistant crops could lead to an increase in the use of other pesticides, as farmers try to control weeds that are resistant to herbicides.

Weeds are unwanted plants that compete with crops for water, nutrients, and sunlight. They can also harbor pests and diseases. Weeds can reduce crop yields by up to 15%, and they can also increase the cost of production.

Herbicides are chemicals that are used to kill weeds. There are many different types of herbicides, and they work in a variety of ways. Some herbicides kill weeds by interfering with their photosynthesis, while others kill them by disrupting their cell division.

Herbicide-resistant crops are crops that have been genetically modified to be resistant to herbicides. This means that the crops can be sprayed with herbicides without being killed. Herbicide-resistant crops offer a number of advantages to farmers. They can reduce the amount of time and labor that is required to control weeds, and they can also reduce the cost of production.

However, there are also some concerns about herbicide-resistant crops. One concern is that the use of herbicide-resistant crops could lead to the development of herbicide-resistant weeds. This is because weeds can evolve to become resistant to herbicides over time. Another concern is that the use of herbicide-resistant crops could lead to an increase in the use of herbicides. This is because farmers may be more likely to use herbicides if they know that their crops are resistant to them.

Overall, herbicide-resistant crops offer both advantages and disadvantages. Farmers need to weigh the benefits and risks of using these crops before making a decision.

Here are some of the benefits of using herbicide-resistant crops:

- Reduced weed control costs
- Increased crop yields
- Reduced labor requirements
- Improved crop quality

Here are some of the risks of using herbicide-resistant crops:

- Increased risk of herbicide-resistant weeds
- Increased use of herbicides

- Potential environmental impacts

Ultimately, the decision of whether or not to use herbicide-resistant crops is a personal one. Farmers need to weigh the benefits and risks of these crops before making a decision.

CONCLUSION

Average weed affiliation structures should monitor herbicide block in weeds. Making in the high gather headway required refinements in machining, and redesign in gearing for interrow movement. Incomplete use of herbicides has been investigated as an important explanation behind the deplorable sensitivity to herbicides in farmer fields. Spraying in addition to large scale farmers is a devastating fundamental for improved field productions. There should be coordination of various social/natural approaches, for example, sophisticated technology, fanning out time, fragment detaching, seed rate, crop turn, serious yield varieties, timing and strategy for fertilizer application, optimal grinding, and cleaning practices, etc. . What else is maintained to surrender the improvement of herbicide inhibition in weeds. Farmers must be prepared for critical agronomic practices, herbicide upset, herbicide mix and growth, that can hinder weeds and reap the consequences of mismanaged safe weeding. There should be a more noticeable increase in farmer participatory evaluation for early identification and handling of herbicide resistance heads in weeds.

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